

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032620\
 Data File : VN060716.D
 Acq On : 26 Mar 2020 15:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 3/27/2020 10:11:31 AM

Quant Time: Mar 27 07:07:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	194845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	296596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145786	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	129337	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	7.56	113	97177	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	10.08	98	393401	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.40	95	144247	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	92089	48.846	ug/l	99
3) Chloromethane	2.04	50	159688	45.352	ug/l	98
4) Vinyl Chloride	2.17	62	124528	45.216	ug/l	99
5) Bromomethane	2.55	94	58966	49.598	ug/l	99
6) Chloroethane	2.69	64	78418	49.429	ug/l	98
7) Trichlorofluoromethane	3.00	101	165575	48.805	ug/l	98
8) Diethyl Ether	3.38	74	68183	50.029	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	98349	50.029	ug/l	100
10) Methyl Iodide	3.93	142	87687	50.128	ug/l	99
11) Tert butyl alcohol	4.72	59	85215	216.625	ug/l	99
12) 1,1-Dichloroethene	3.72	96	102167	48.430	ug/l	99
13) Acrolein	3.58	56	119263	273.554	ug/l	100
14) Allyl chloride	4.30	41	181955	49.041	ug/l	97
15) Acrylonitrile	4.94	53	283978	245.495	ug/l	99
16) Acetone	3.78	43	225278	237.770	ug/l	98
17) Carbon Disulfide	4.03	76	296739	46.251	ug/l	100
18) Methyl Acetate	4.29	43	131098	49.158	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	347908	47.968	ug/l	96
20) Methylene Chloride	4.52	84	114801	49.256	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	107895	47.989	ug/l	96
22) Diisopropyl ether	5.91	45	402571	51.357	ug/l	98
23) Vinyl Acetate	5.86	43	1641926	256.724	ug/l	99
24) 1,1-Dichloroethane	5.82	63	215168	50.352	ug/l	99
25) 2-Butanone	6.80	43	369033	240.702	ug/l	99
26) 2,2-Dichloropropane	6.80	77	179451	53.374	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	124022	48.542	ug/l	97
28) Bromochloromethane	7.17	49	106044	51.868	ug/l	98
29) Tetrahydrofuran	7.18	42	252982	233.213	ug/l	98
30) Chloroform	7.35	83	202770	49.497	ug/l	100
31) Cyclohexane	7.63	56	202258	46.949	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	174328	49.363	ug/l	99
36) 1,1-Dichloropropene	7.77	75	156930	50.126	ug/l	99
37) Ethyl Acetate	6.89	43	158515	46.859	ug/l	99
38) Carbon Tetrachloride	7.75	117	141931	50.582	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	189142	50.838	ug/l	97
40) Benzene	8.02	78	474679	50.226	ug/l	100
41) Methacrylonitrile	7.15	41	81369m	56.362	ug/l	
42) 1,2-Dichloroethane	8.10	62	162837	50.416	ug/l	99
43) Isopropyl Acetate	8.14	43	274079	49.127	ug/l	100
44) Trichloroethene	8.82	130	119519	50.166	ug/l	98
45) 1,2-Dichloropropane	9.10	63	128985	51.722	ug/l	97
46) Dibromomethane	9.19	93	76606	50.812	ug/l	99
47) Bromodichloromethane	9.39	83	161145	51.436	ug/l	98
48) Methyl methacrylate	9.18	41	122431	49.290	ug/l	99
49) 1,4-Dioxane	9.18	88	26819	908.376	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	789663	248.739	ug/l	99
52) Toluene	10.14	92	286925	50.270	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	185785	51.626	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	201539	51.049	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	110368	50.262	ug/l	100
56) Ethyl methacrylate	10.42	69	176232	51.472	ug/l	99
57) 1,3-Dichloropropane	10.70	76	192689	50.568	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	399441	234.733	ug/l	99
59) 2-Hexanone	10.74	43	567331	248.081	ug/l	100
60) Dibromochloromethane	10.89	129	115854	51.078	ug/l	99
61) 1,2-Dibromoethane	10.99	107	111791	50.629	ug/l	100
64) Tetrachloroethene	10.62	164	113555	48.653	ug/l	97
65) Chlorobenzene	11.43	112	293993	50.001	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	107551	50.521	ug/l	98
67) Ethyl Benzene	11.50	91	554555	50.717	ug/l	99
68) m/p-Xylenes	11.62	106	406442	100.029	ug/l	99
69) o-Xylene	11.94	106	194868	50.239	ug/l	98
70) Styrene	11.96	104	327206	51.579	ug/l	99
71) Bromoform	12.12	173	82590	46.790	ug/l #	100
73) Isopropylbenzene	12.25	105	528558	48.311	ug/l	99
74) N-amyl acetate	12.06	43	241978	47.864	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	157908	47.727	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	144560m	45.954	ug/l	
77) Bromobenzene	12.52	156	124989	47.410	ug/l	99
78) n-propylbenzene	12.59	91	624253	48.295	ug/l	99
79) 2-Chlorotoluene	12.67	91	364994	47.260	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	445903	48.027	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58246	47.554	ug/l	99
82) 4-Chlorotoluene	12.77	91	379163	48.204	ug/l	100
83) tert-Butylbenzene	12.99	119	374186	48.617	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	447323	48.700	ug/l	100
85) sec-Butylbenzene	13.17	105	513186	49.585	ug/l	100
86) p-Isopropyltoluene	13.28	119	462341	49.678	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	225527	48.504	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	226072	48.394	ug/l	100
89) n-Butylbenzene	13.61	91	427719	50.903	ug/l	100
90) Hexachloroethane	13.87	117	66067	48.837	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	218735	49.198	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31271	45.099	ug/l	97

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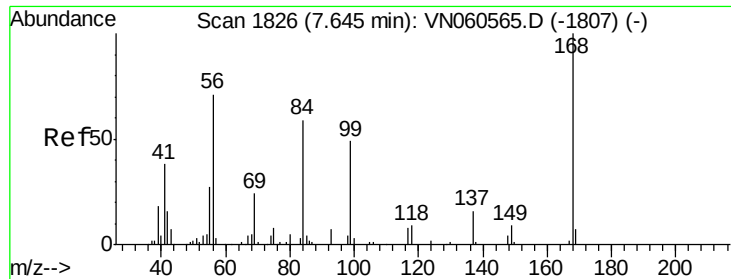
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	136785	50.099	ug/l	99
94) Hexachlorobutadiene	15.01	225	66998	50.057	ug/l	99
95) Naphthalene	15.13	128	390052	47.497	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	130594	48.561	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060716.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 194845

Ion Ratio Lower Upper

168 100

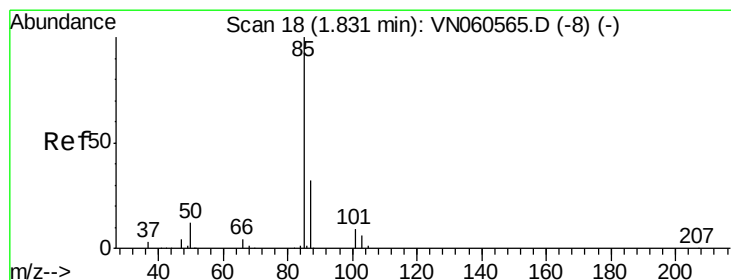
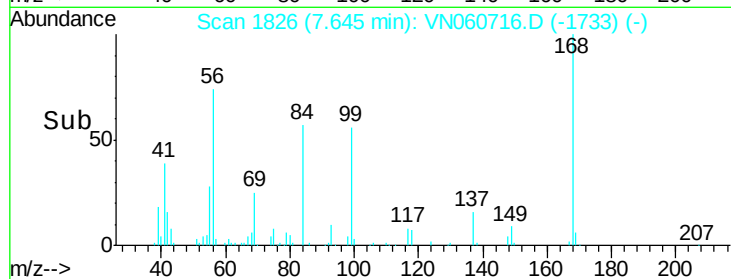
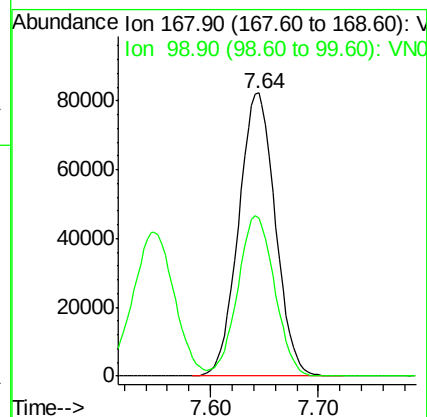
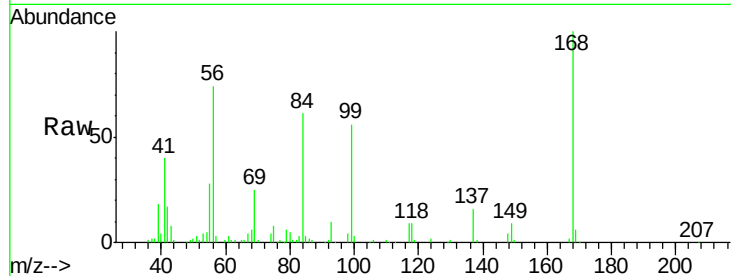
99 55.9 44.0 66.0

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#2

Dichlorodifluoromethane

Concen: 48.846 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060716.D

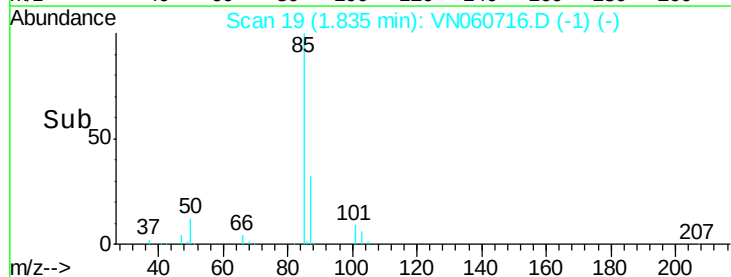
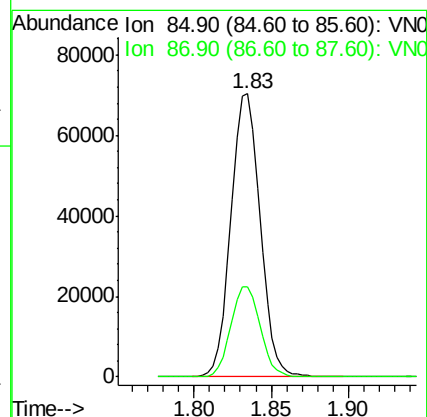
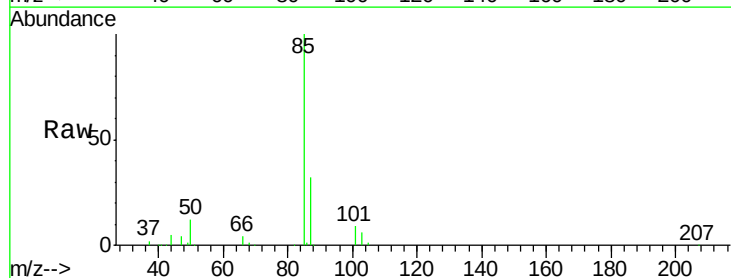
Acq: 26 Mar 2020 15:49

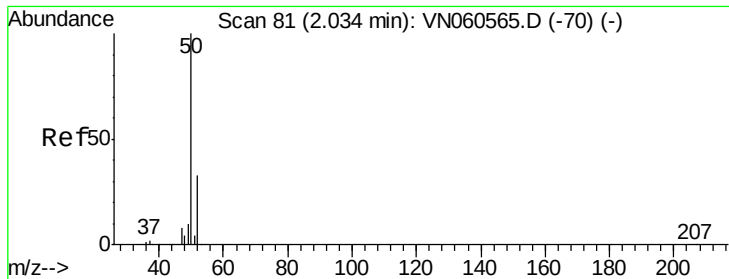
Tgt Ion: 85 Resp: 92089

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5





#3

Chloromethane

Concen: 45.352 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 159688

Ion Ratio Lower Upper

50 100

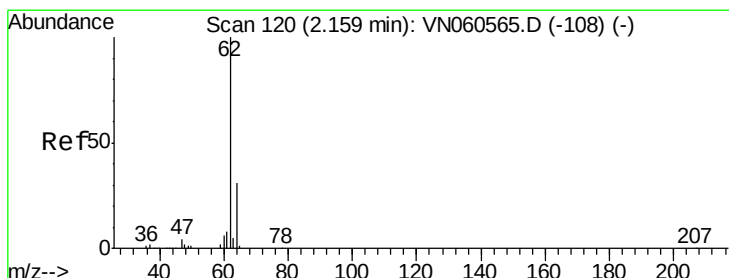
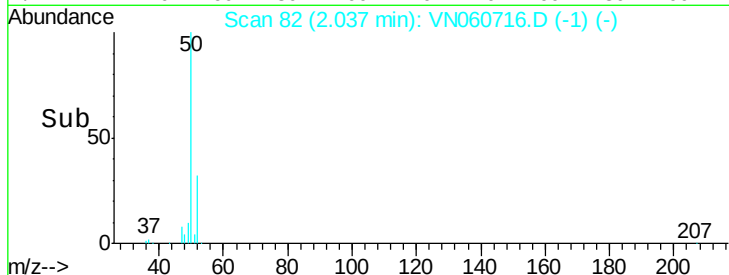
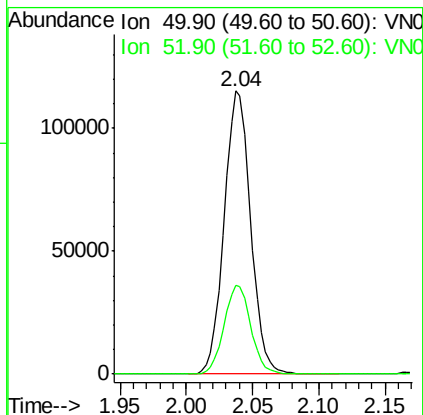
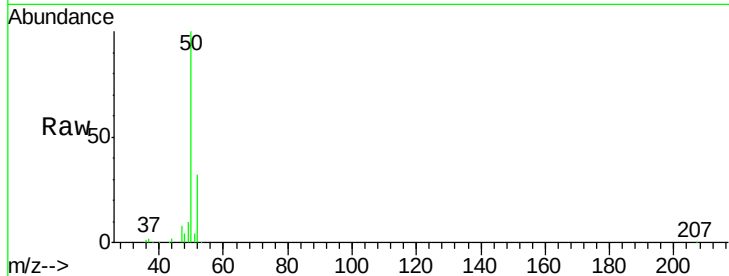
52 31.6 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.216 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN060716.D

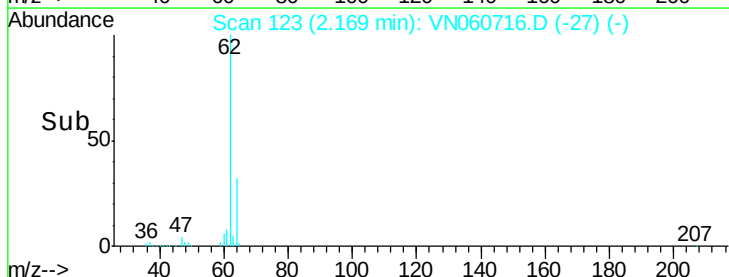
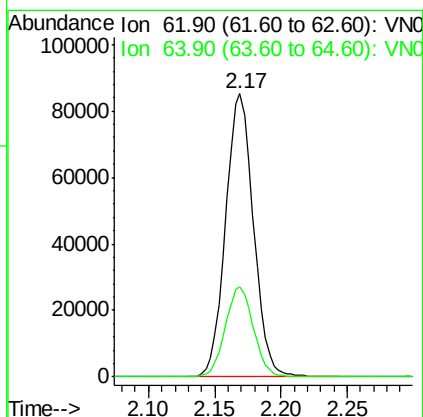
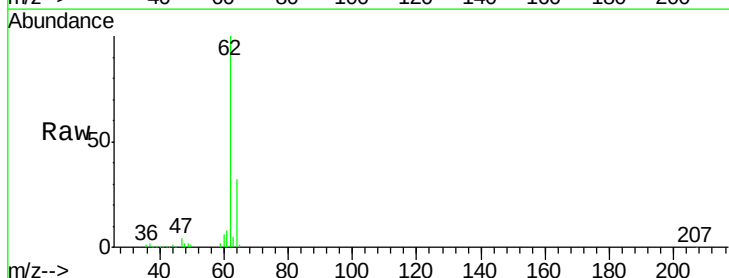
Acq: 26 Mar 2020 15:49

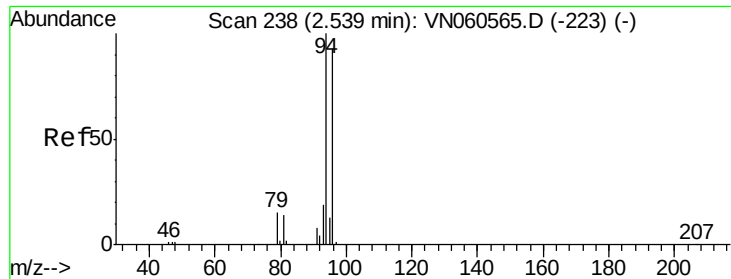
Tgt Ion: 62 Resp: 124528

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1





#5

Bromomethane

Concen: 49.598 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58966

Ion Ratio Lower Upper

94 100

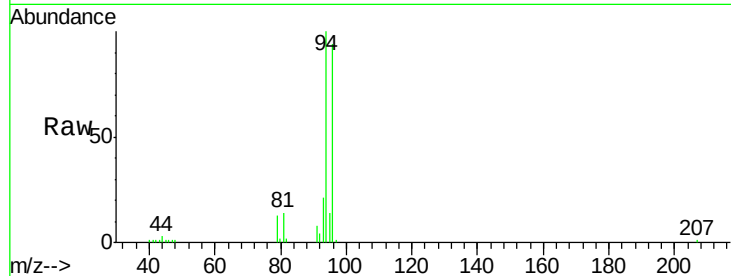
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Manual Integrations

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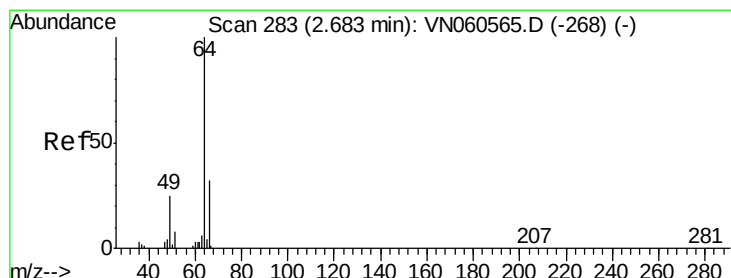
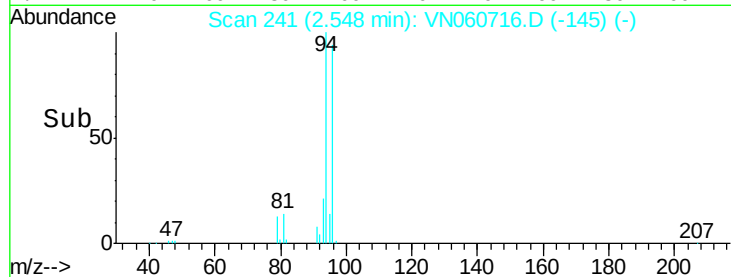
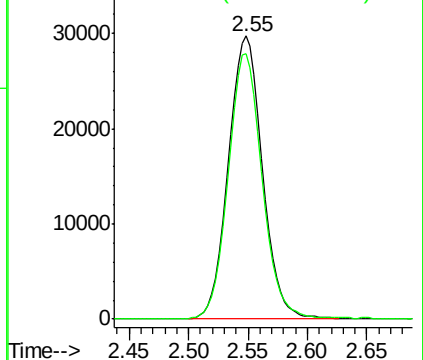
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.429 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060716.D

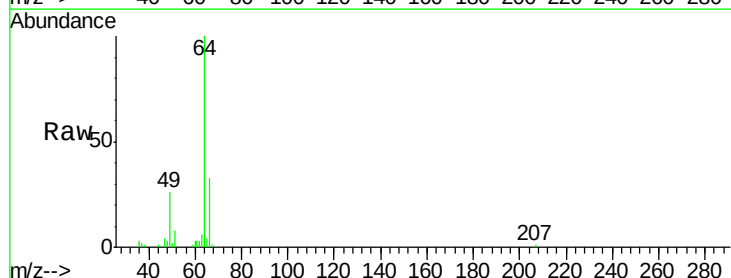
Acq: 26 Mar 2020 15:49

Tgt Ion: 64 Resp: 78418

Ion Ratio Lower Upper

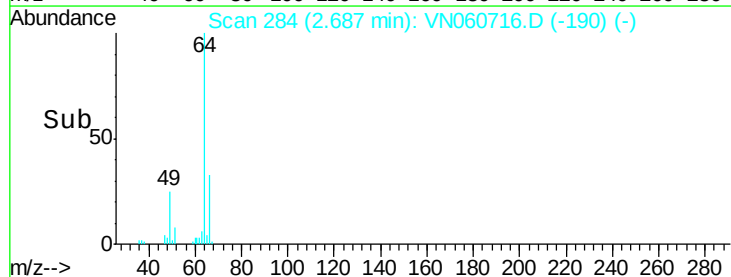
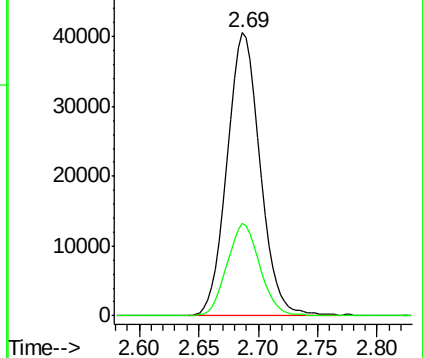
64 100

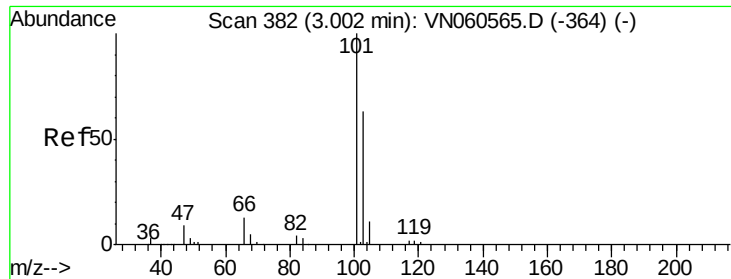
66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

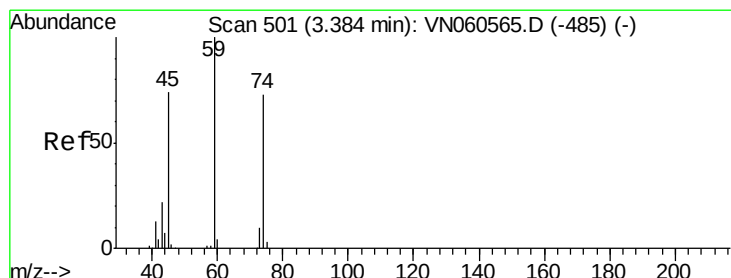
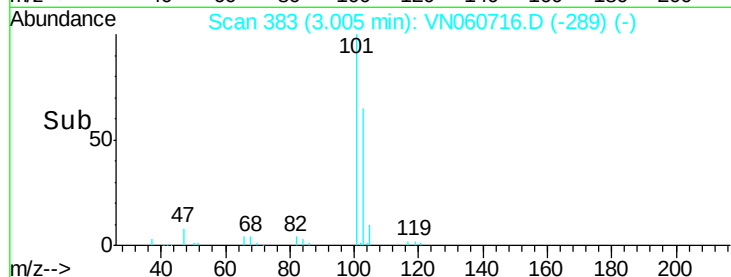
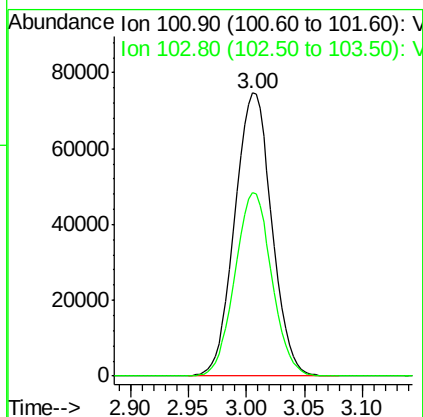
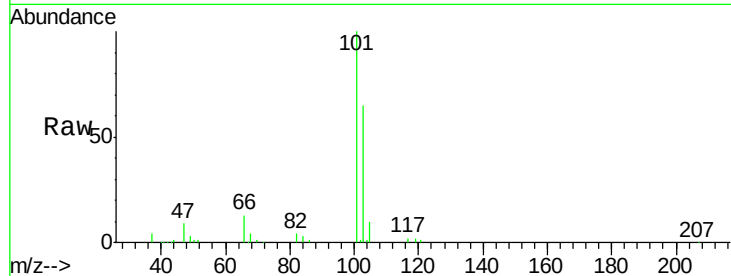
Trichlorofluoromethane
 Concen: 48.805 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		165575		
103	65.1	50.6	76.0		

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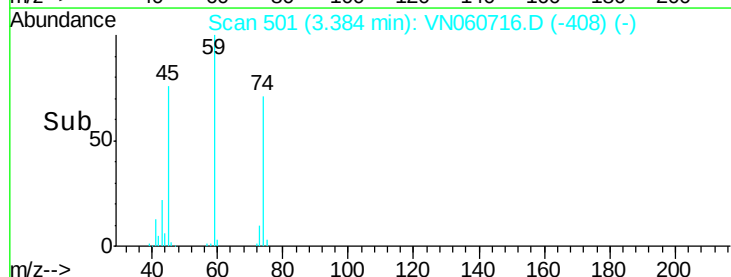
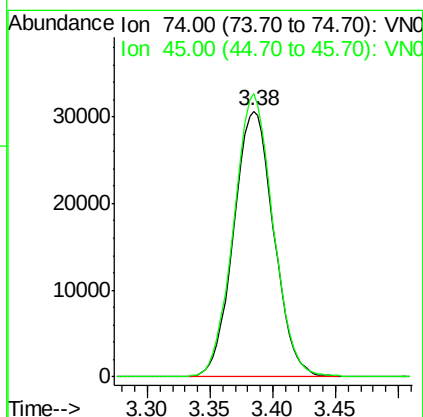
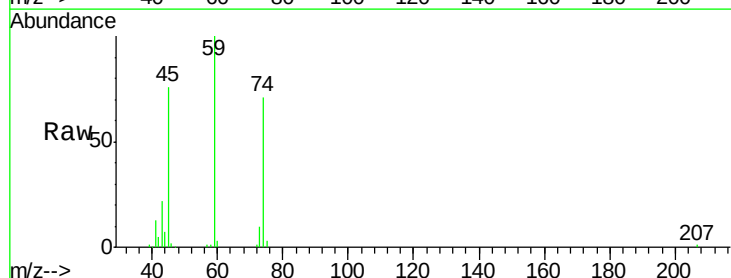
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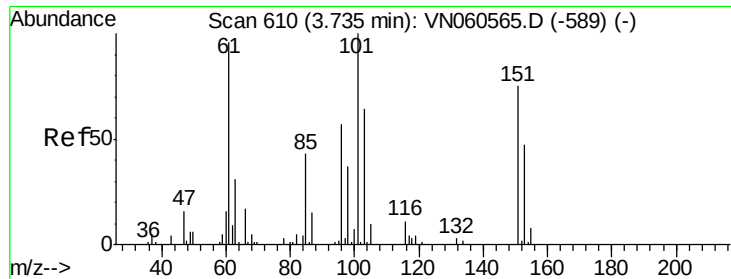


#8

Diethyl Ether
 Concen: 50.029 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		68183		
45	104.9	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.029 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

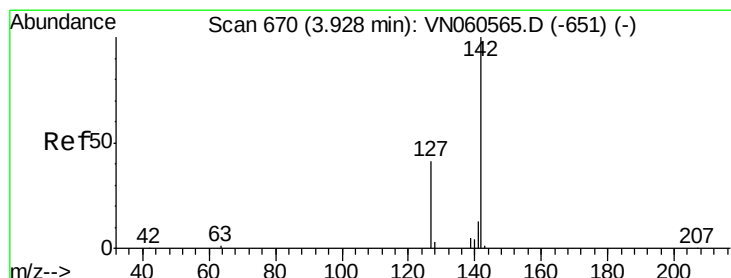
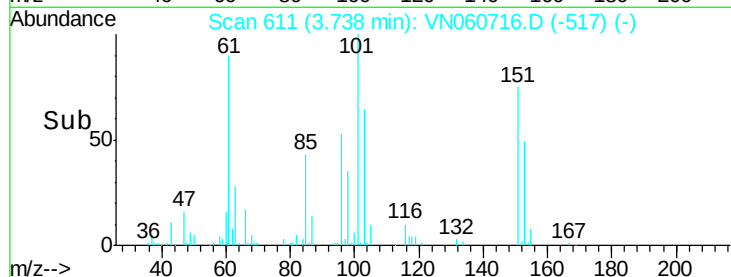
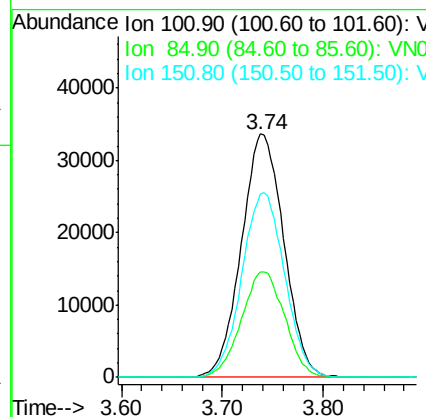
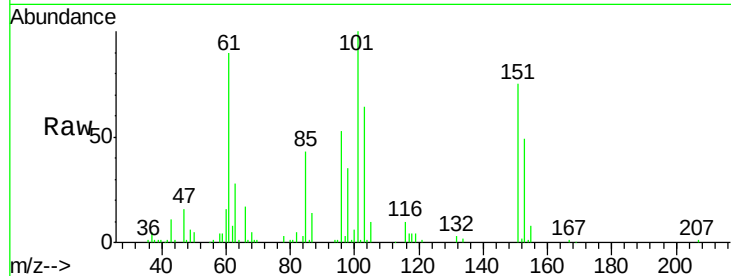
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	98349
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.6	53.4
151	76.4	61.4	92.2

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#10

Methyl Iodide

Concen: 50.128 ug/l

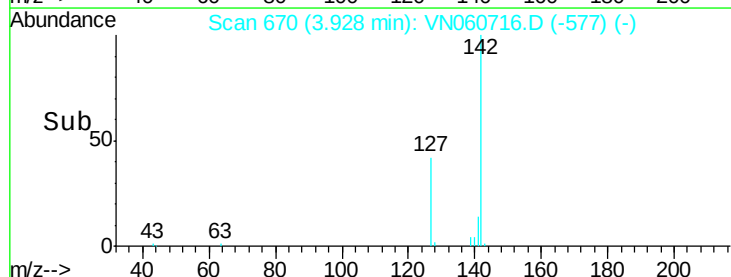
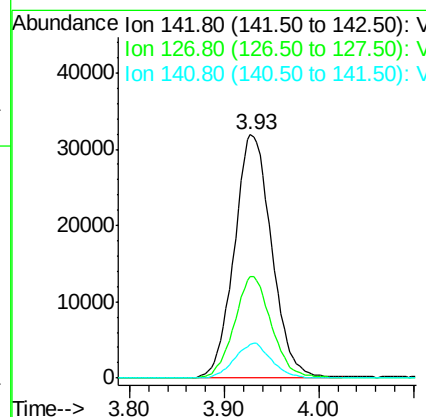
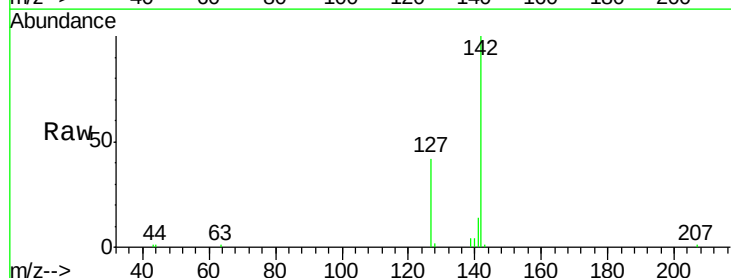
RT: 3.93 min Scan# 670

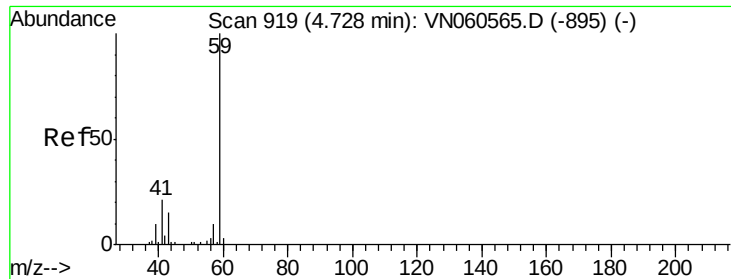
Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion:	142	Resp:	87687
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.5	50.3
141	13.9	11.0	16.6





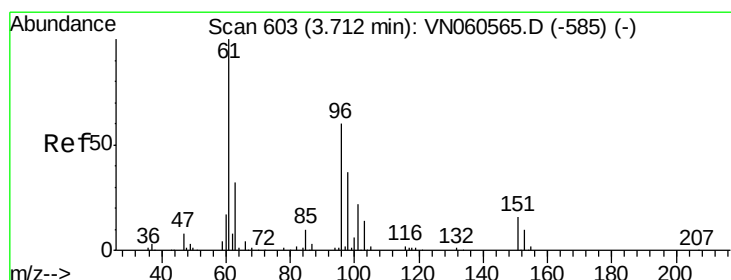
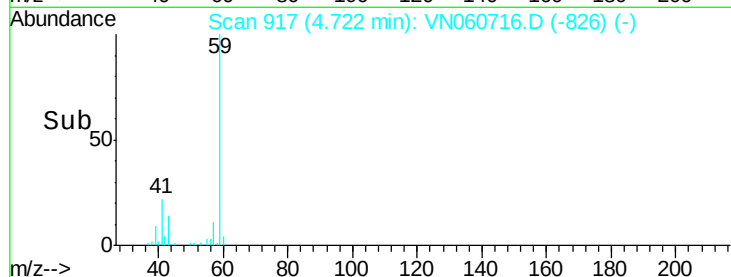
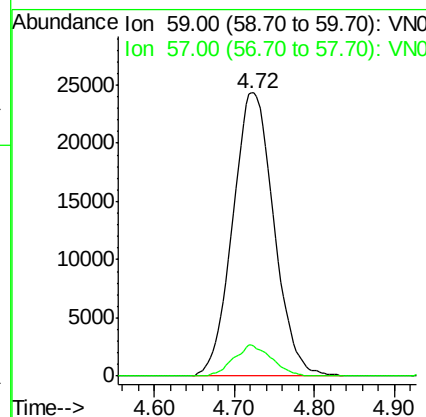
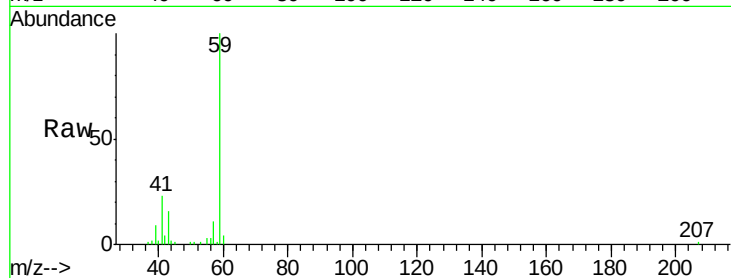
#11
Tert butyl alcohol
Concen: 216.625 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

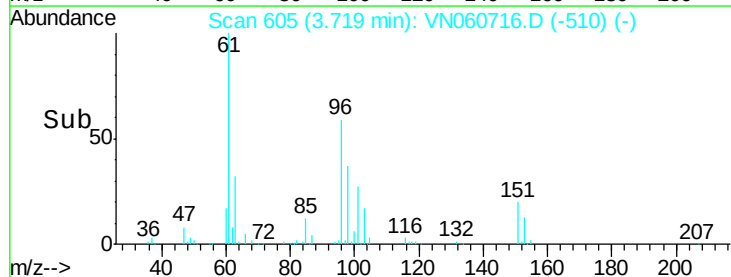
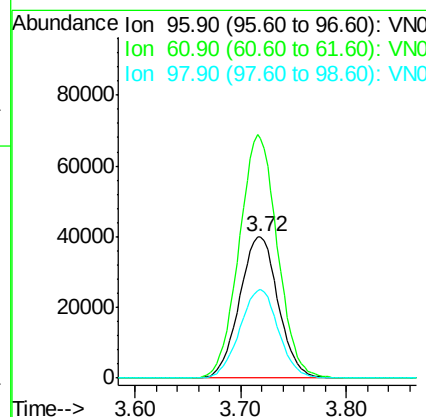
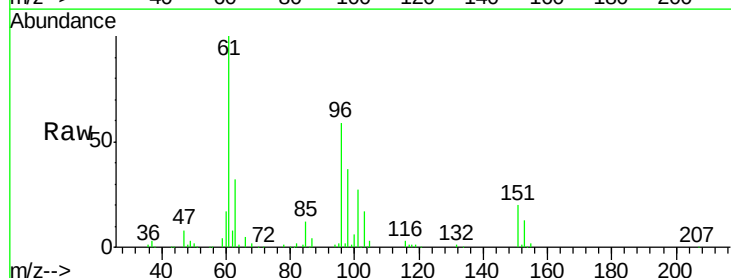
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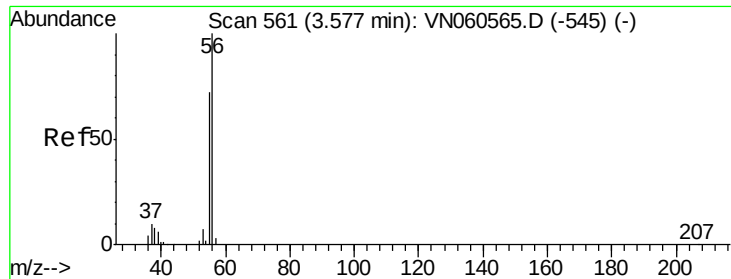
apatel
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#12
1,1-Dichloroethene
Concen: 48.430 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	134.1	201.1
98	62.2	49.9	74.9





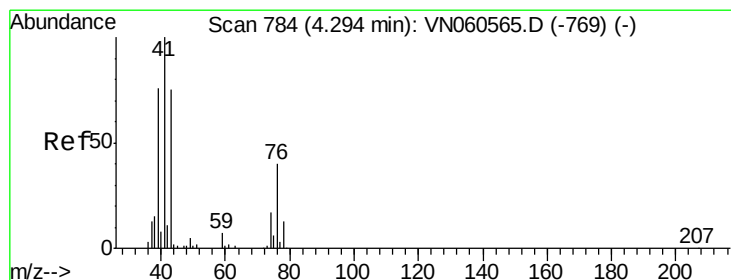
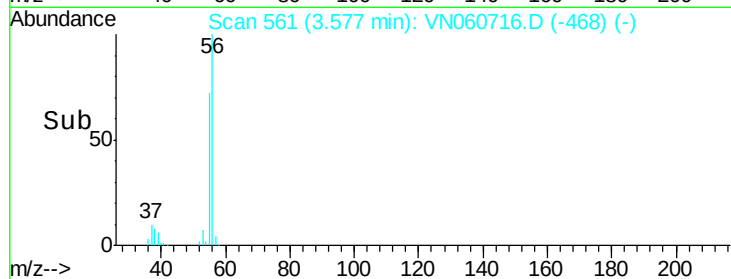
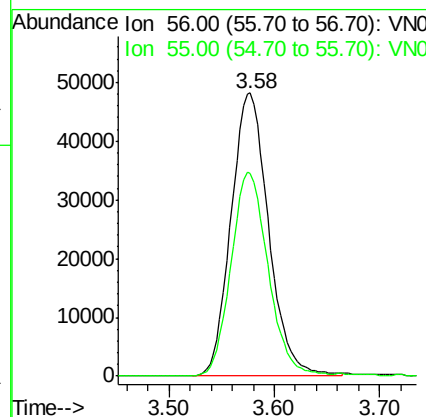
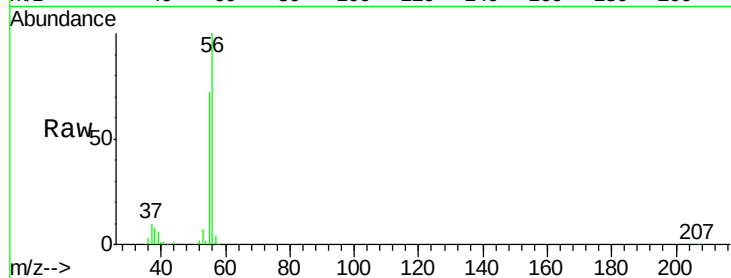
#13
Acrolein
Concen: 273.554 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	56	Resp	119263
Ion Ratio	100	Lower	Upper
55	71.0	56.7	85.1

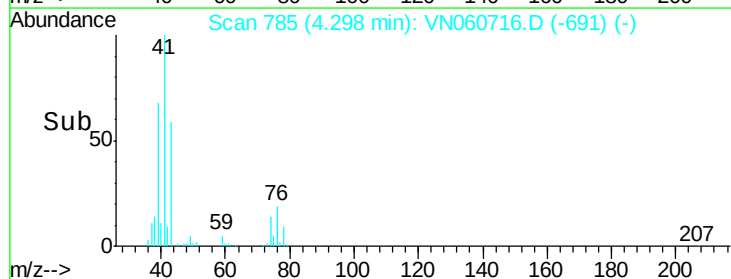
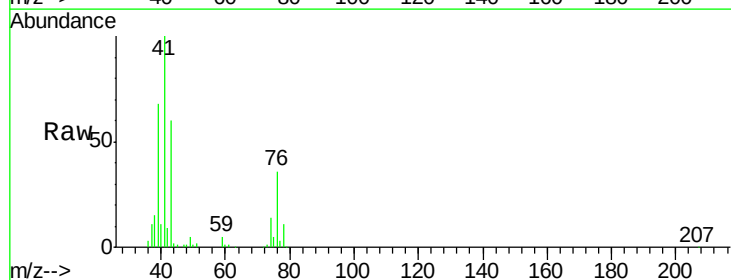
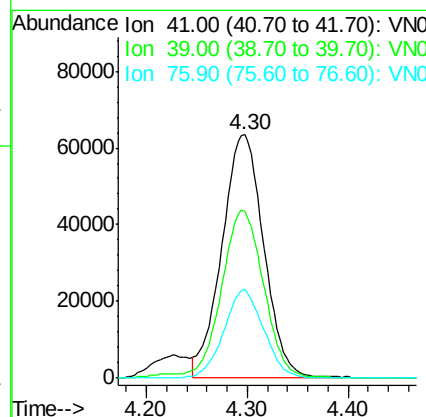
Manual Integrations
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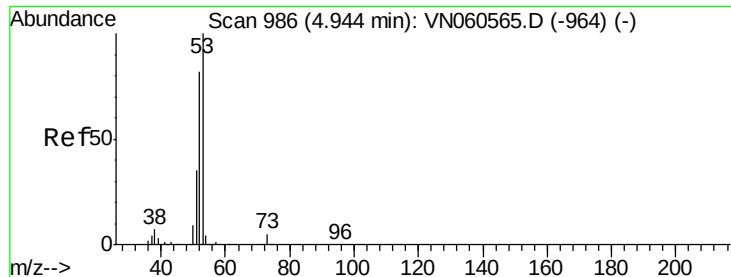
apatel
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#14
Allyl chloride
Concen: 49.041 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	41	Resp	181955
Ion Ratio	100	Lower	Upper
39	69.8	57.8	86.8
76	34.8	28.6	43.0





#15

Acrylonitrile

Concen: 245.495 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

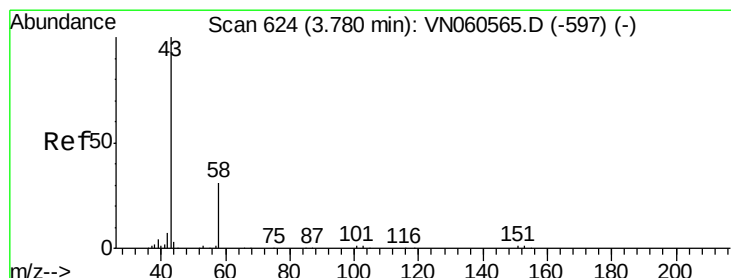
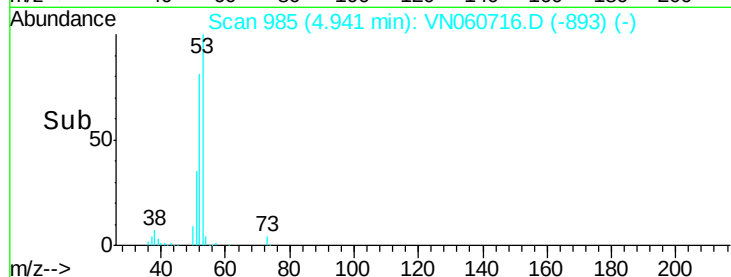
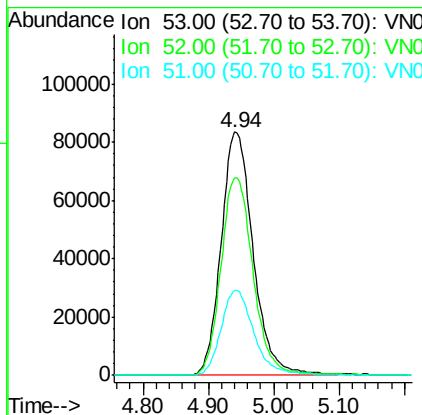
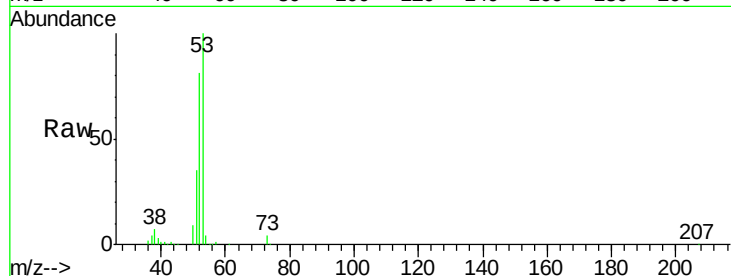
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	283978
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.2	99.4
51	35.9	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 237.770 ug/l

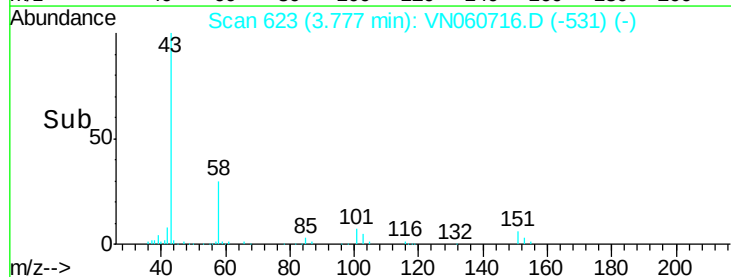
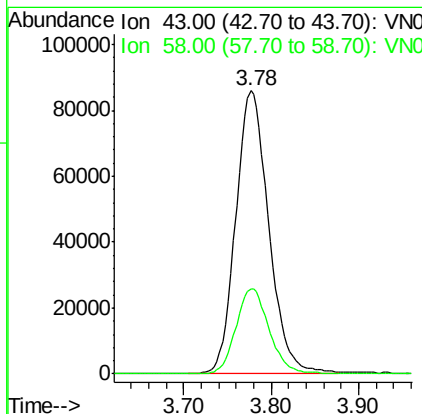
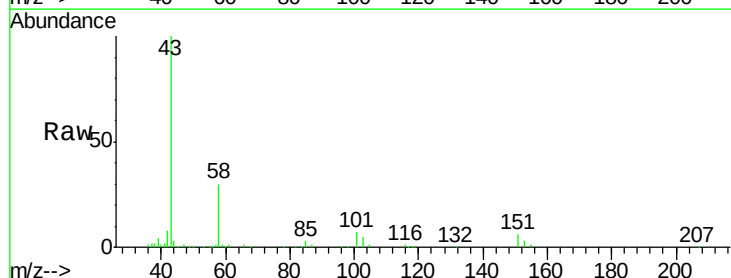
RT: 3.78 min Scan# 623

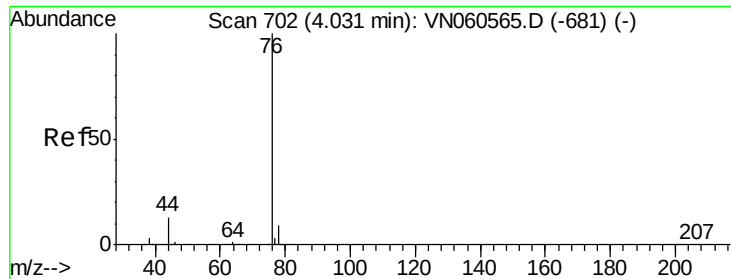
Delta R.T. -0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion:	43	Resp:	225278
Ion Ratio	Lower	Upper	
43	100		
58	30.2	25.1	37.7





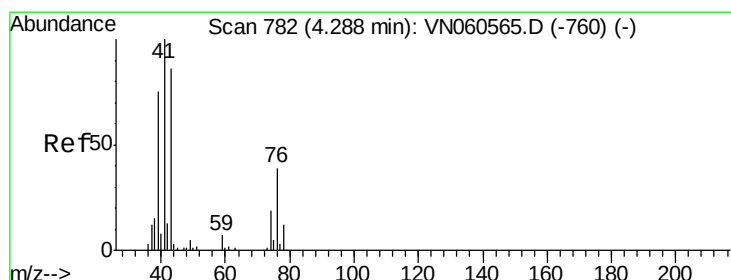
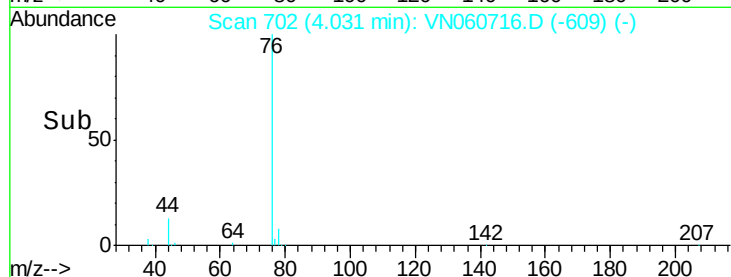
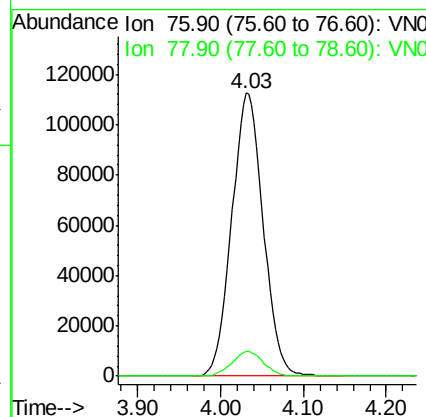
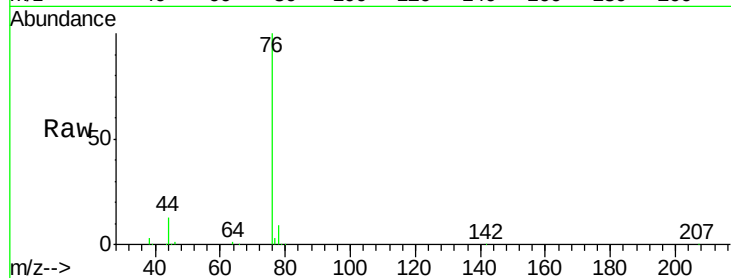
#17
Carbon Disulfide
Concen: 46.251 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

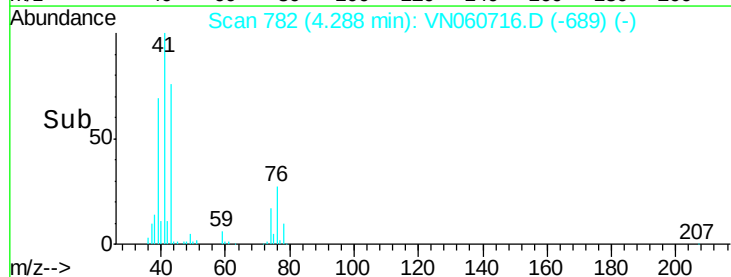
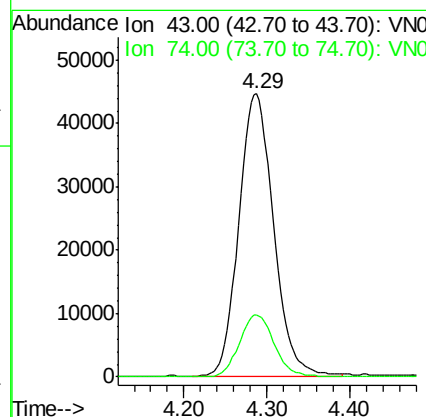
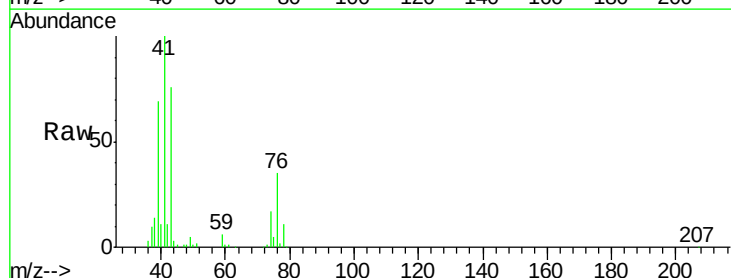
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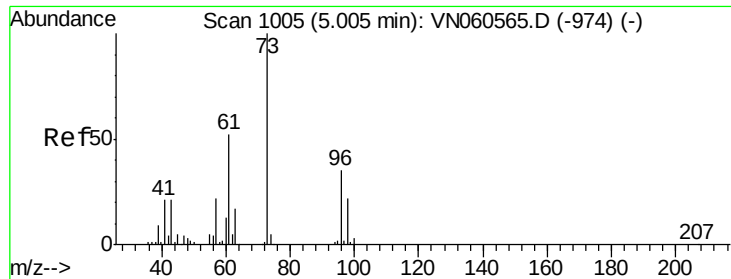
apatel
3/27/2020 10:11:31 AM



#18
Methyl Acetate
Concen: 49.158 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.5	26.3





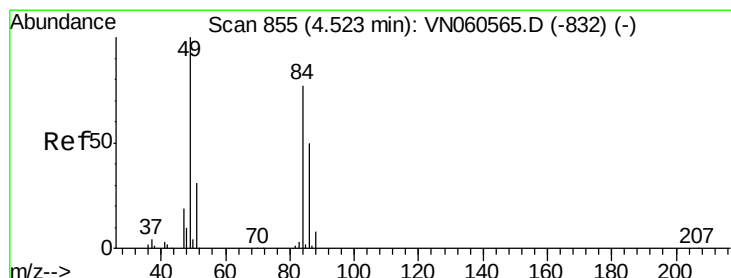
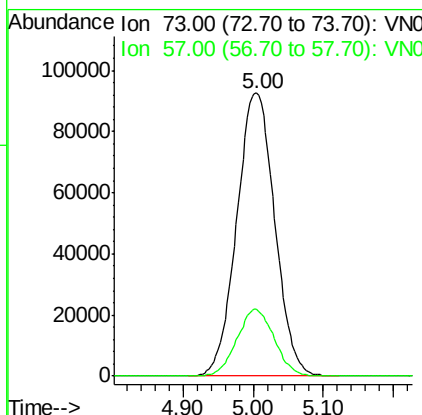
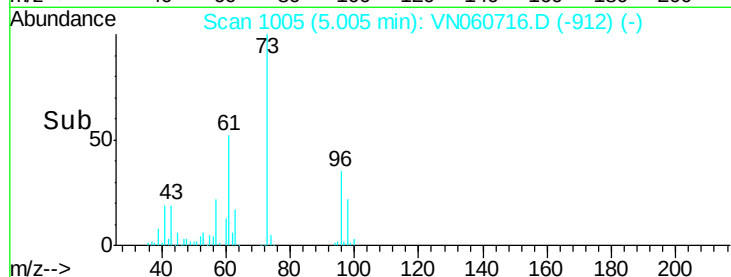
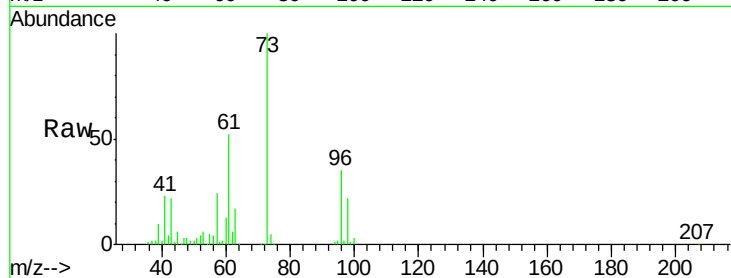
#19
Methvl tert-butvl Ether
Concen: 47.968 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 347908
Ion Ratio Lower Upper
73 100
57 23.6 17.5 26.3

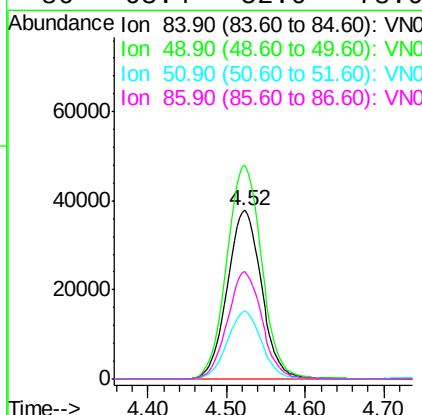
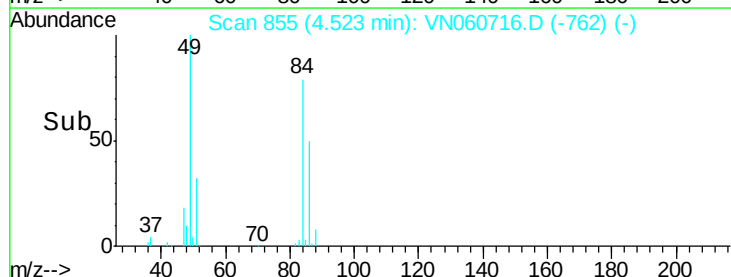
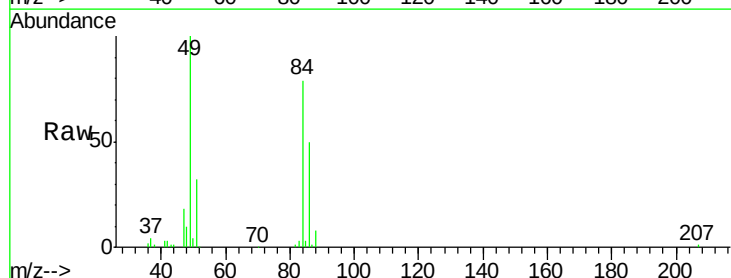
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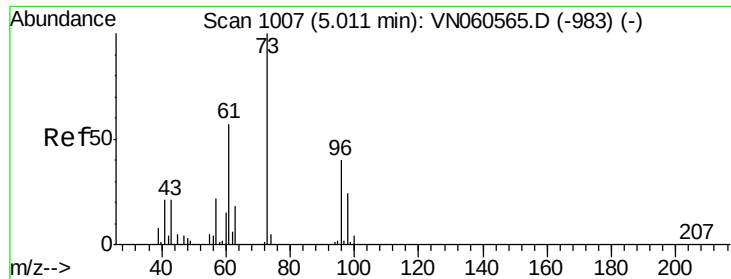
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#20
Methylene Chloride
Concen: 49.256 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion: 84 Resp: 114801
Ion Ratio Lower Upper
84 100
49 126.7 103.3 154.9
51 40.3 31.6 47.4
86 63.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 47.989 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

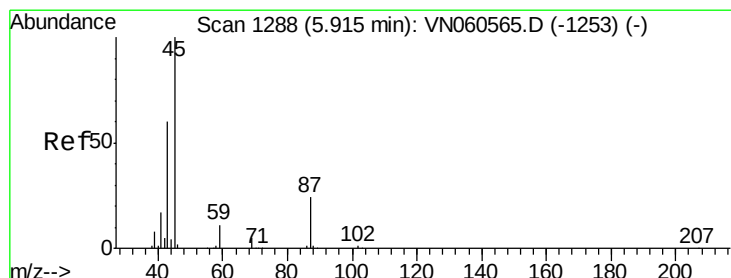
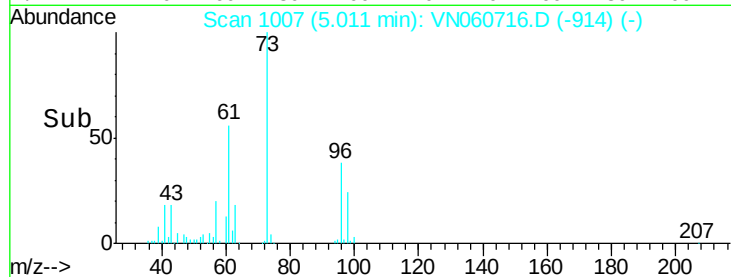
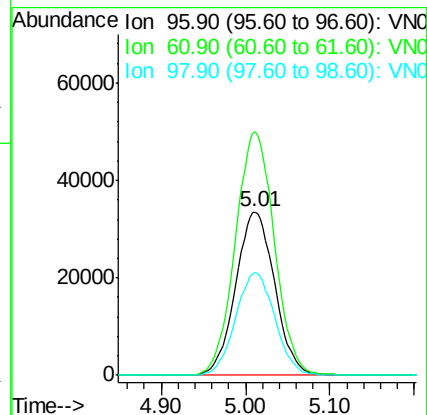
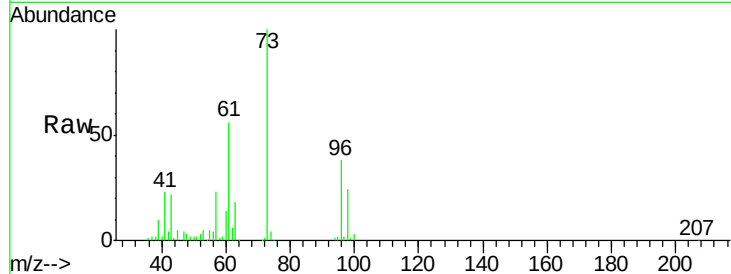
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	107895
Ion	Ratio	Lower	Upper
96	100		
61	148.8	114.4	171.6
98	62.7	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.357 ug/l

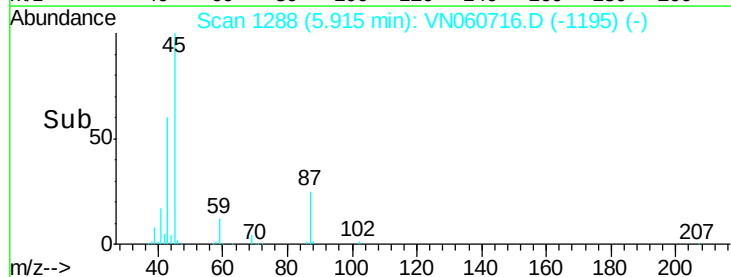
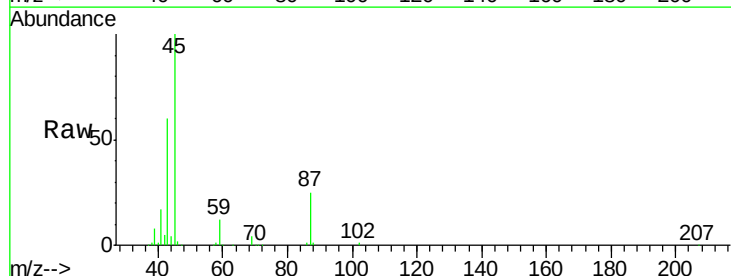
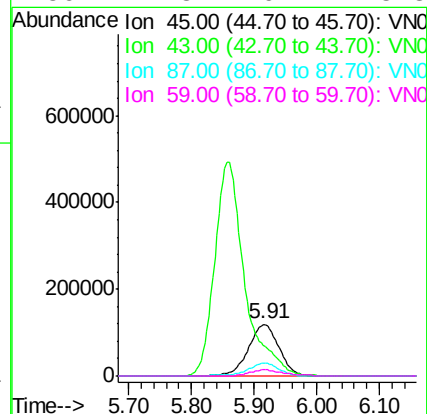
RT: 5.91 min Scan# 1288

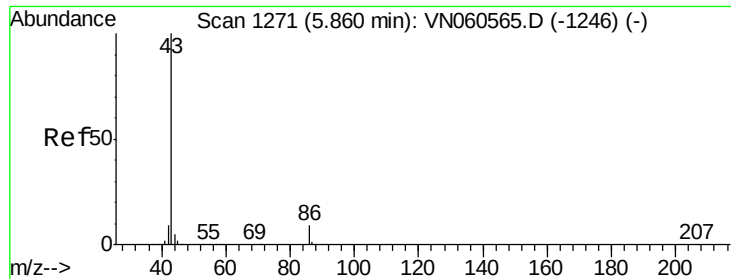
Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion:	45	Resp:	402571
Ion	Ratio	Lower	Upper
45	100		
43	59.6	49.8	74.8
87	24.8	20.1	30.1
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 256.724 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1641926

Ion Ratio Lower Upper

43 100

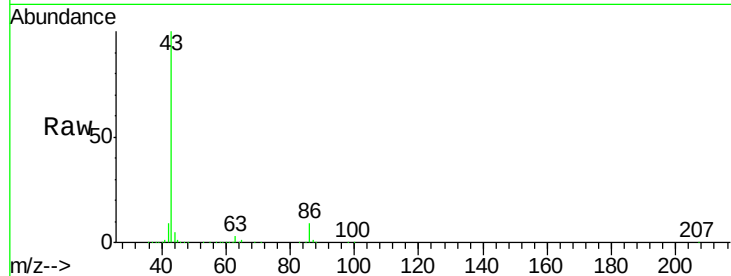
86 9.1 7.6 11.4

Manual Integrations

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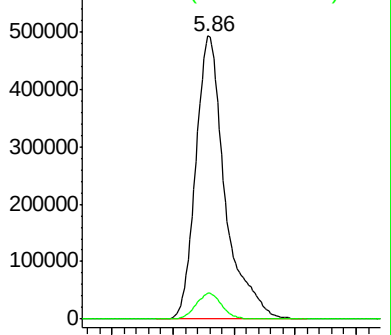
apatel

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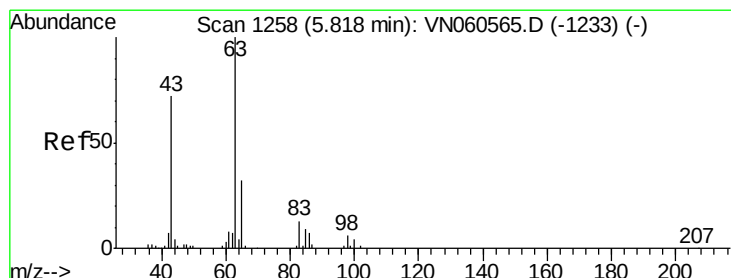
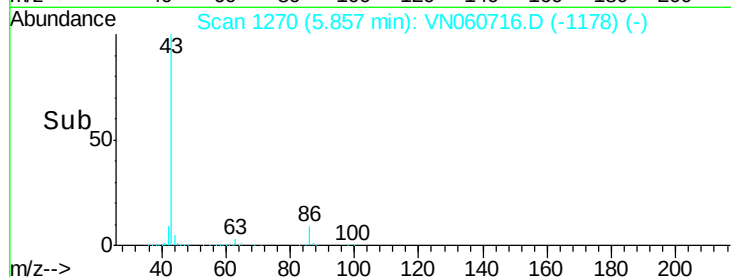


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 50.352 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

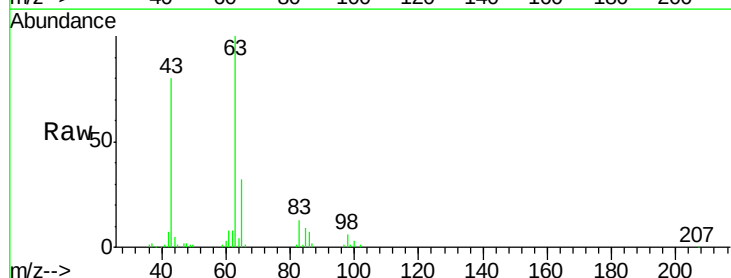
Tgt Ion: 63 Resp: 215168

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

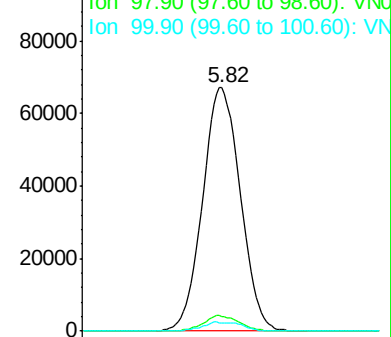
100 3.3 1.8 5.5



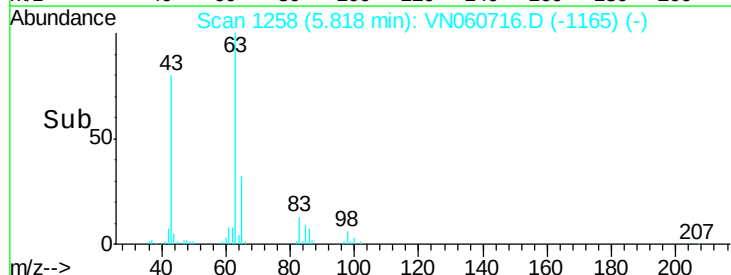
Abundance Ion 62.90 (62.60 to 63.60): VN0

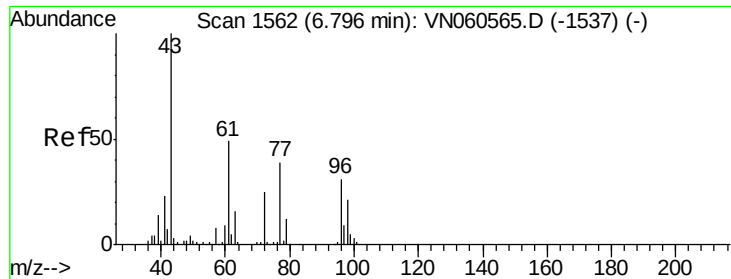
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





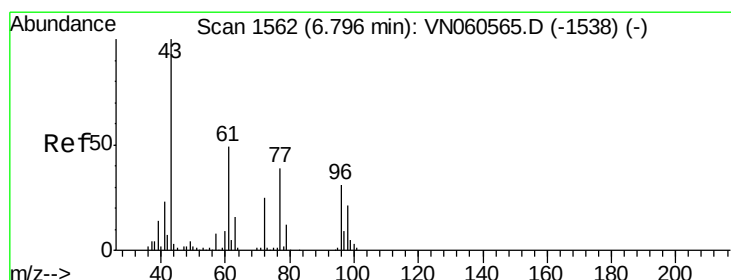
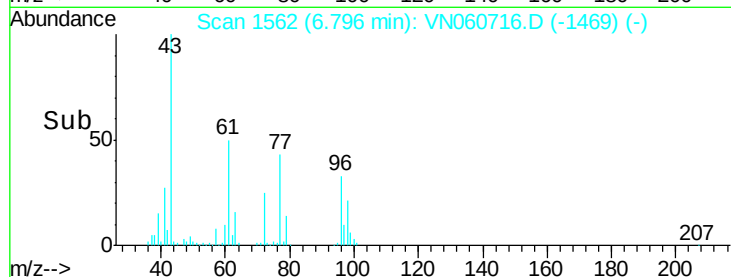
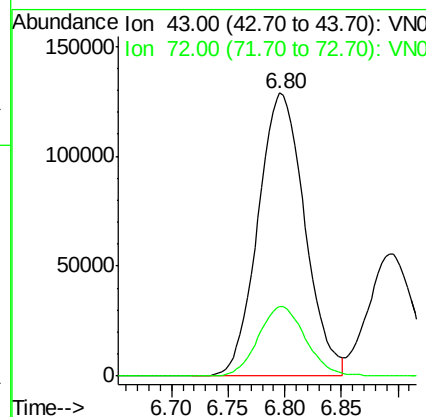
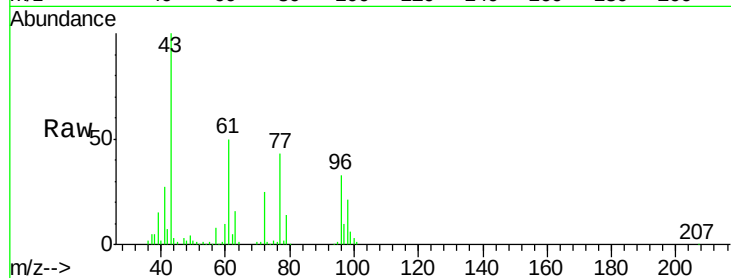
#25
2-Butanone
Concen: 240.702 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 369033
Ion Ratio Lower Upper
43 100
72 24.8 20.4 30.6

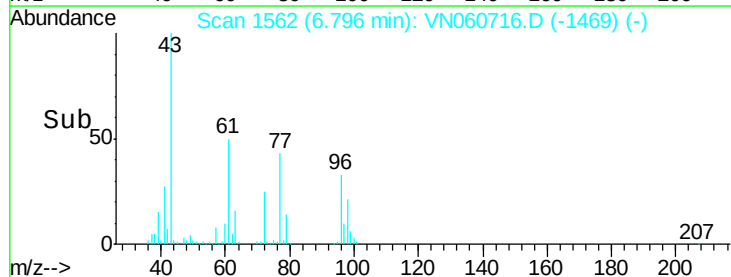
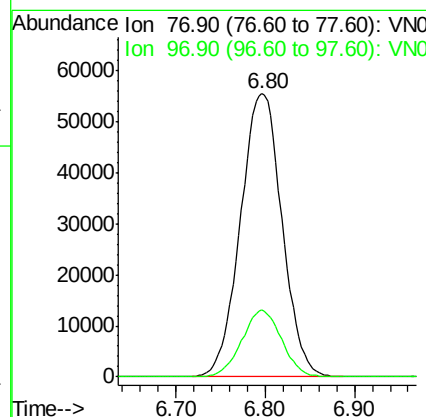
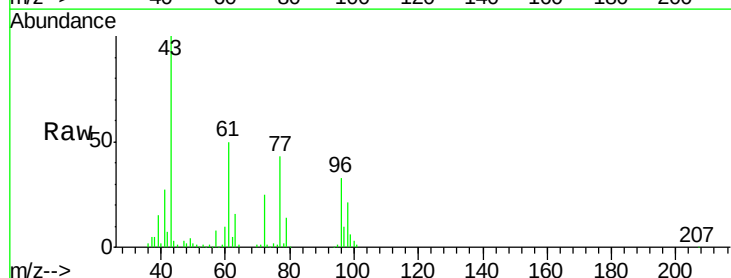
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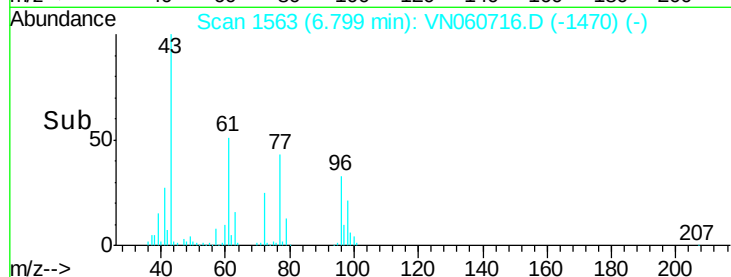
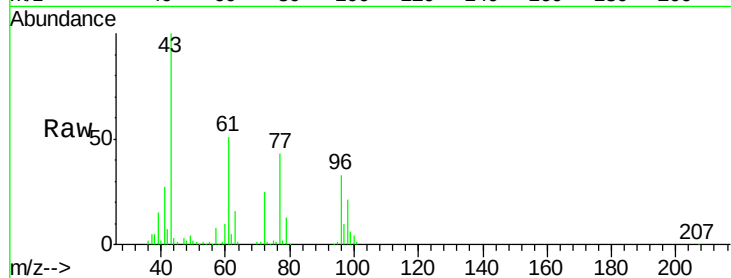
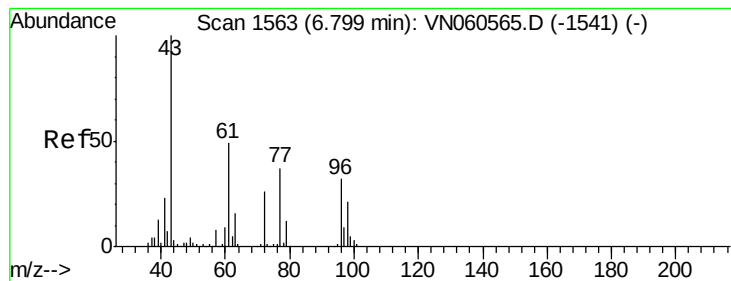
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#26
2,2-Dichloropropane
Concen: 53.374 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion: 77 Resp: 179451
Ion Ratio Lower Upper
77 100
97 22.6 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 48.542 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tot Ion:	96	Resp:	124022
Ion	Ratio	Lower	Upper
96	100		
61	157.4	0.0	305.6
98	64.3	0.0	127.6

Instrument :

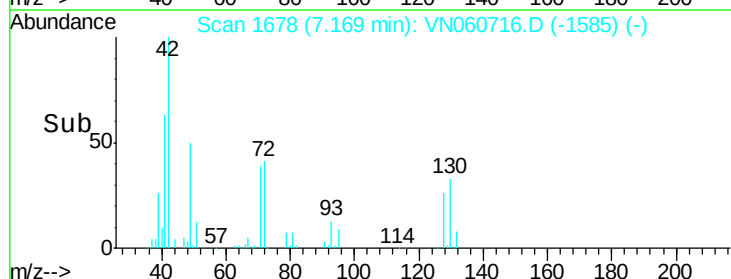
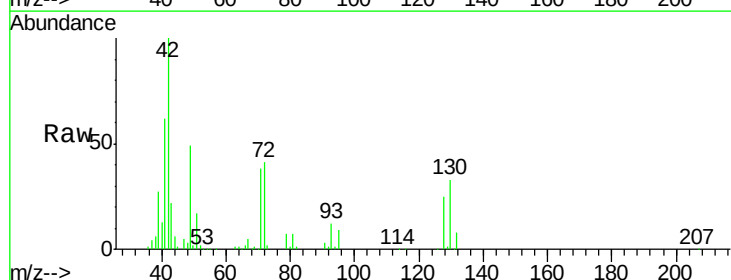
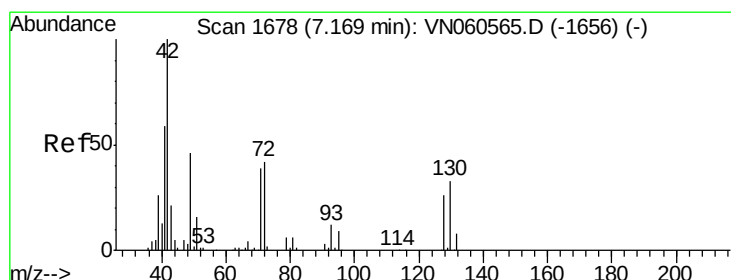
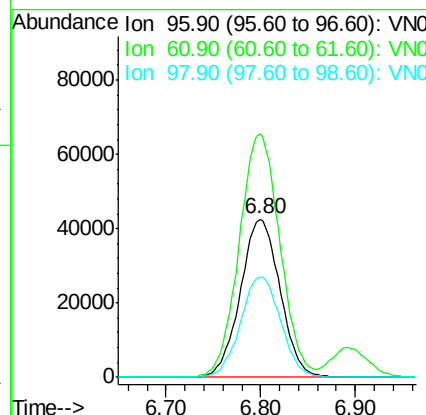
MSVOA_N

ClientSampleId :

VSTDCCC050

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#28

Bromochloromethane

Concen: 51.868 ug/l

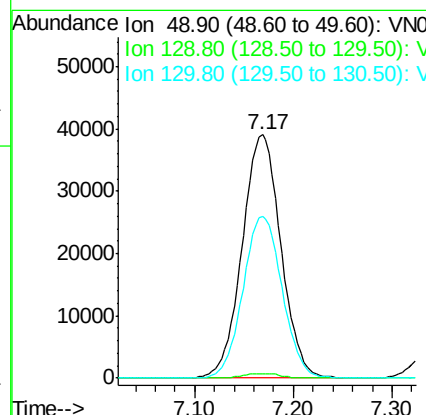
RT: 7.17 min Scan# 1678

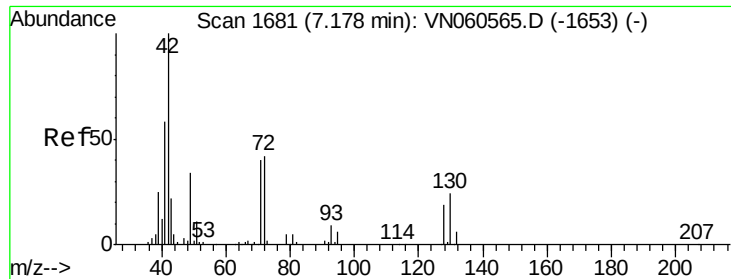
Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion:	49	Resp:	106044
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	67.1	55.0	82.4





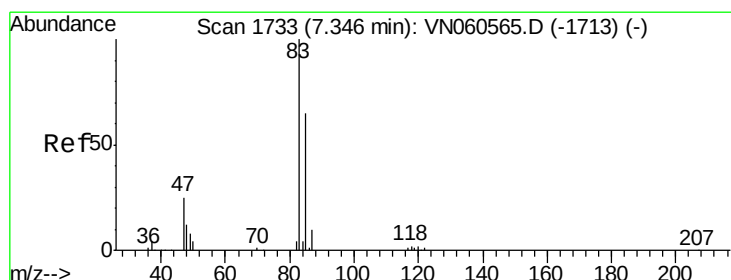
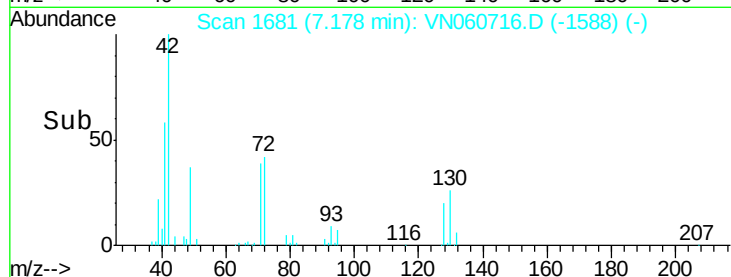
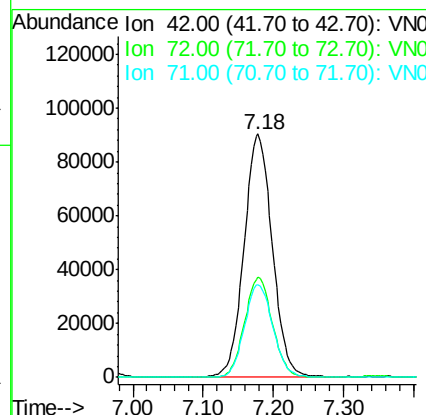
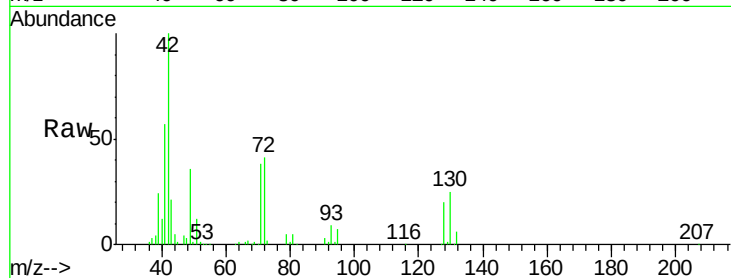
#29
Tetrahydrofuran
Concen: 233.213 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.2	49.8
71	38.2	31.1	46.7

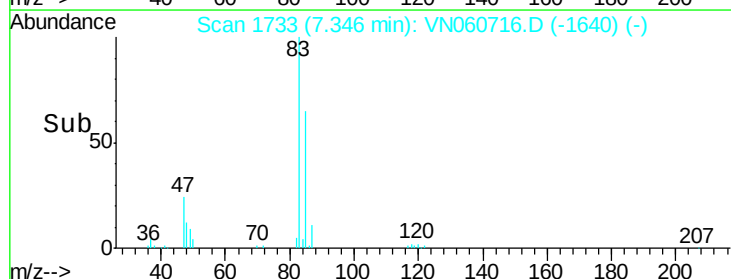
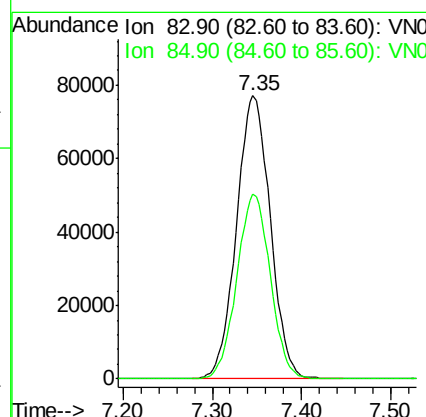
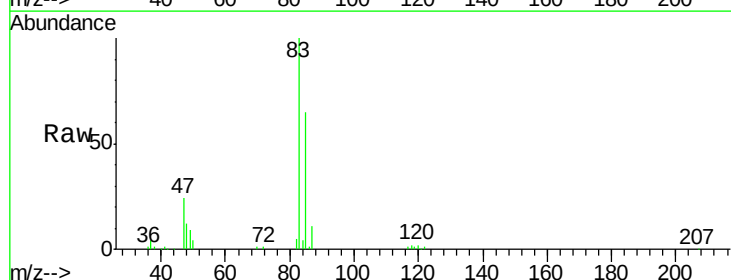
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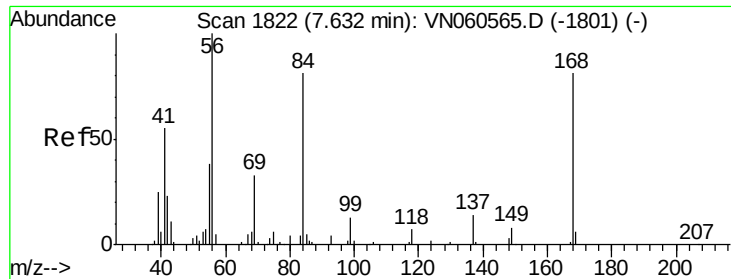
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#30
Chloroform
Concen: 49.497 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8





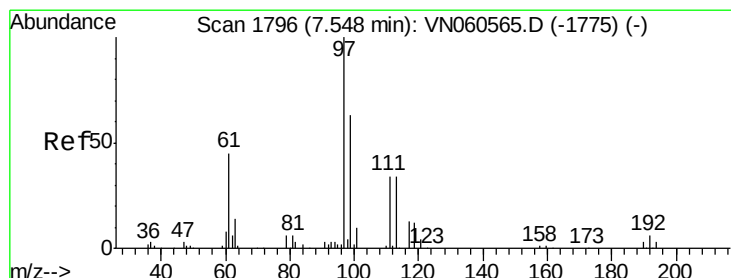
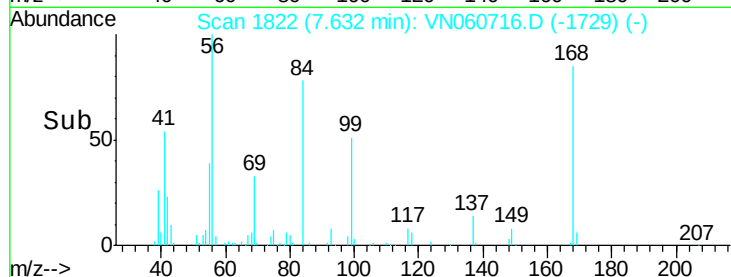
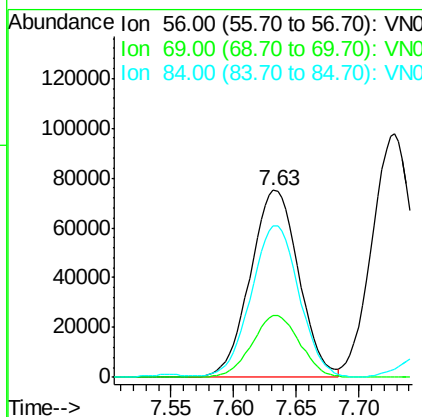
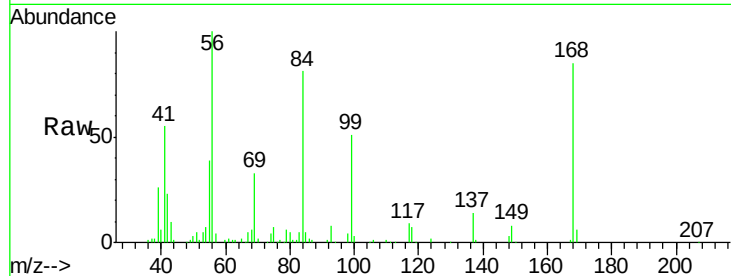
#31
Cyclohexane
Concen: 46.949 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.6	40.0
84	80.2	64.3	96.5

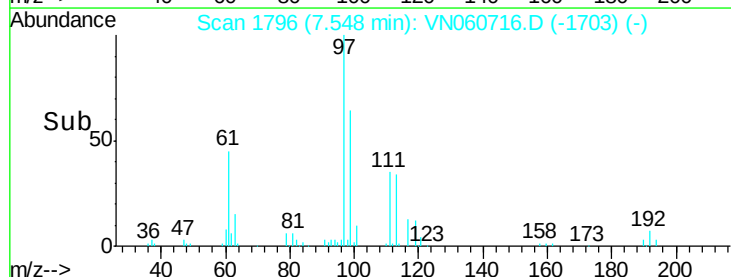
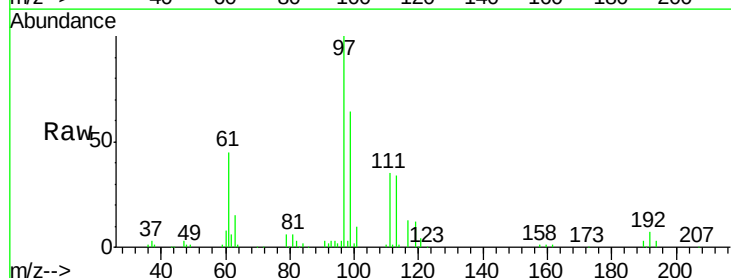
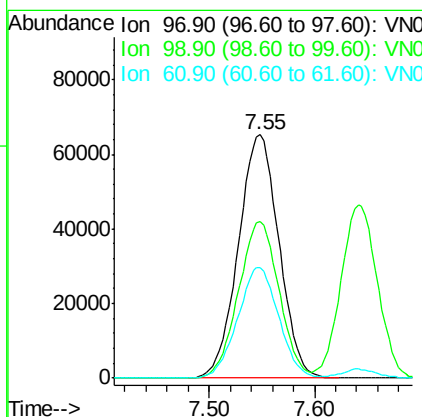
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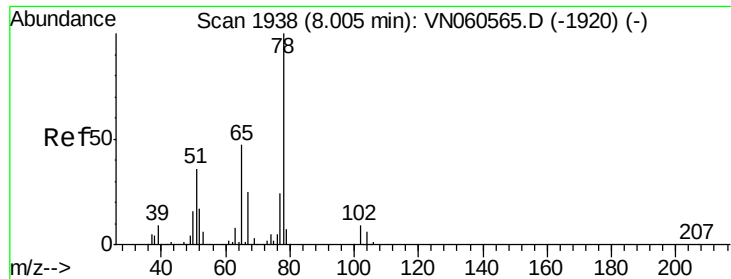
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#32
1,1,1-Trichloroethane
Concen: 49.363 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.6	75.8
61	45.8	36.2	54.4





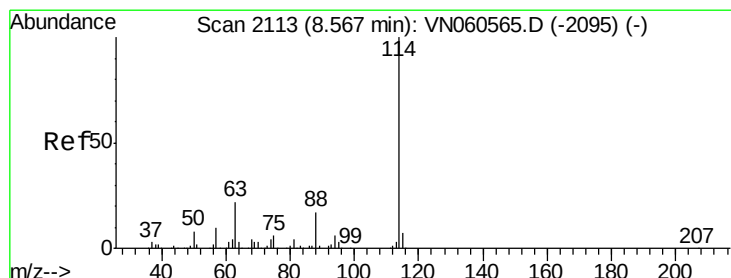
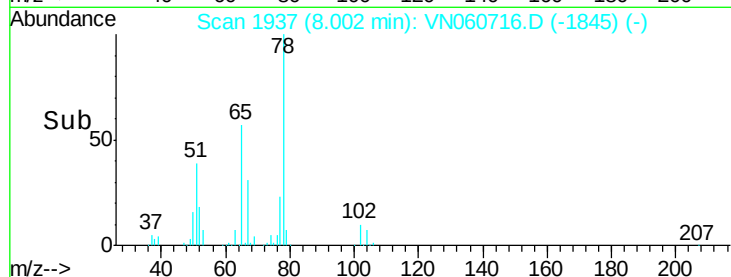
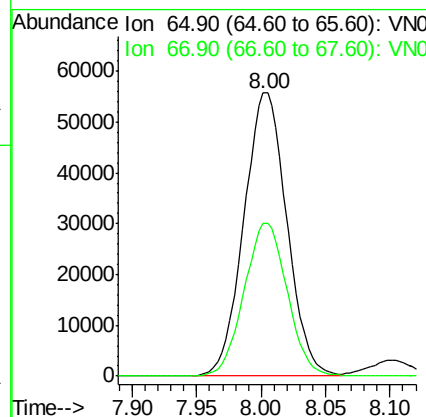
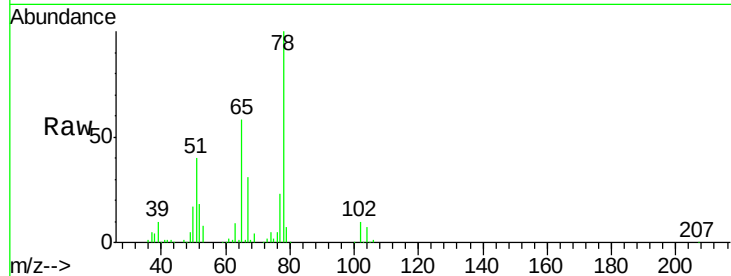
#33
 1,2-Dichloroethane-d4
 Concen: 48.354 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	107.6

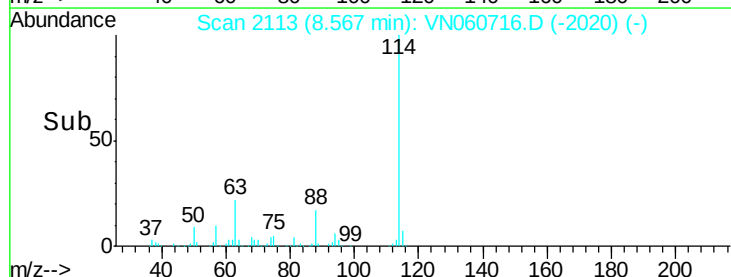
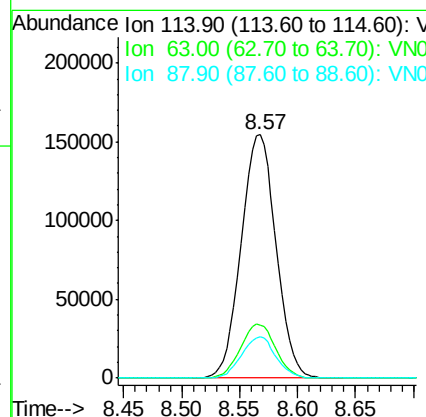
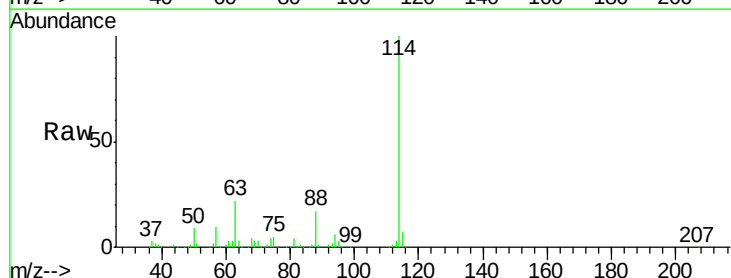
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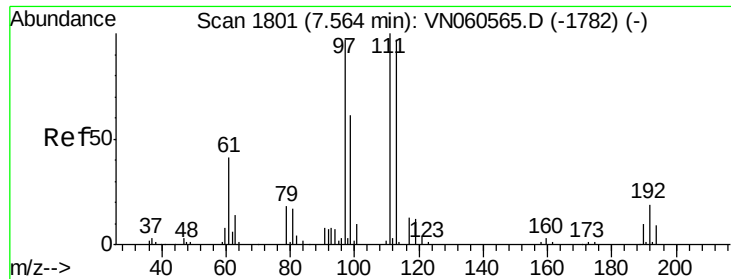
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	16.9	0.0	33.0





#35

Dibromofluoromethane

Concen: 49.707 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

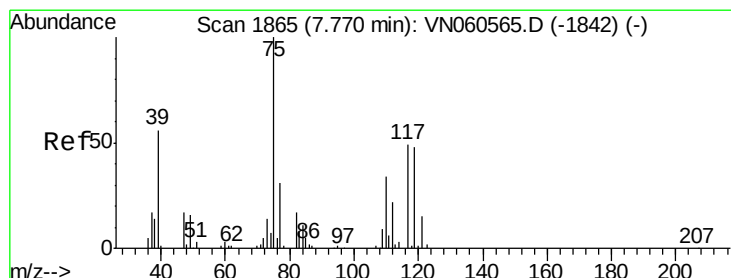
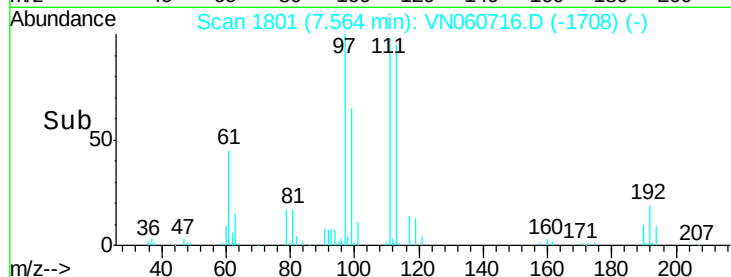
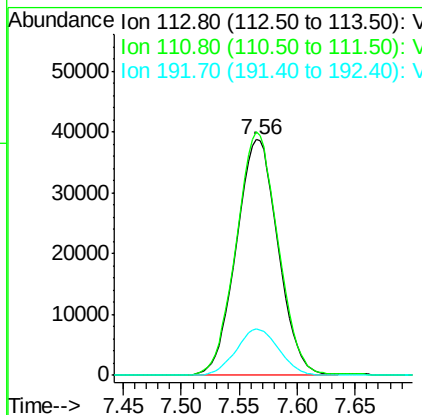
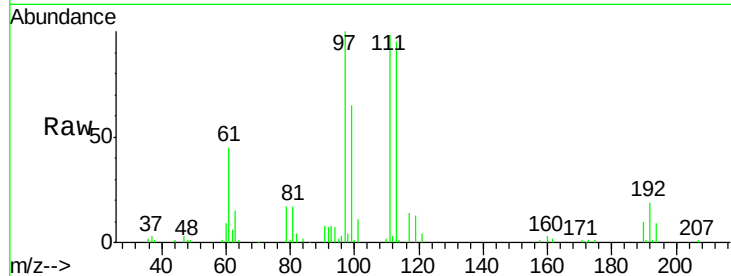
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	97177
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	20.1	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 50.126 ug/l

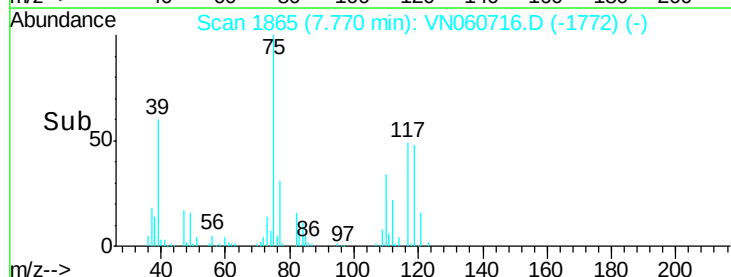
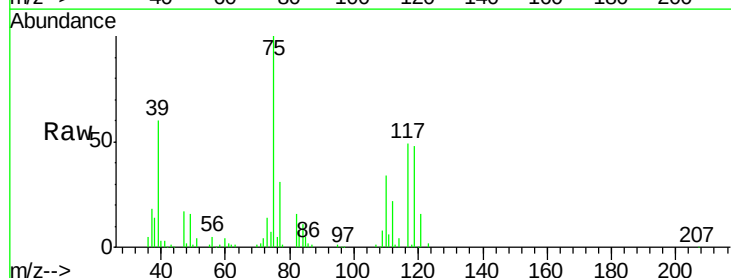
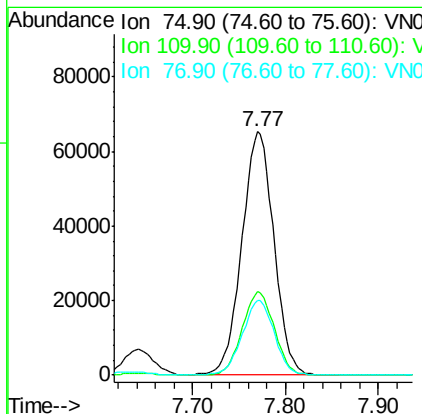
RT: 7.77 min Scan# 1865

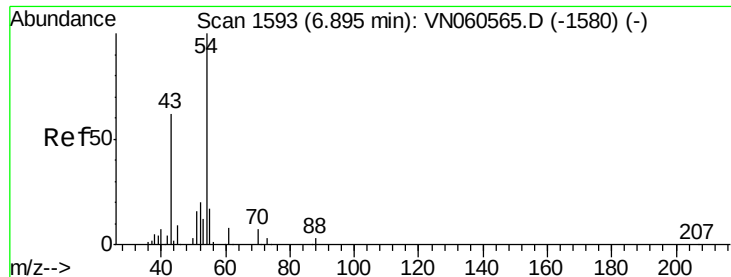
Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion:	75	Resp:	156930
Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.6
77	30.8	24.6	36.8





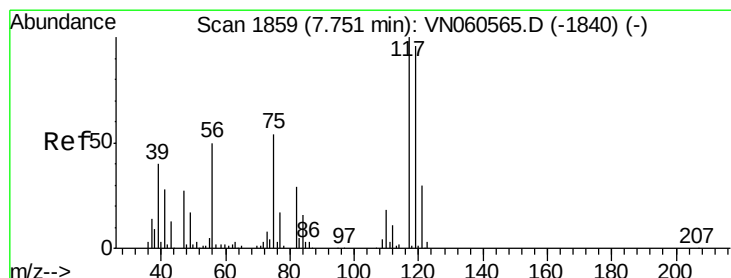
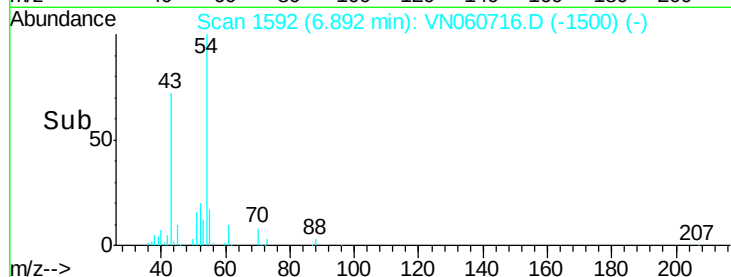
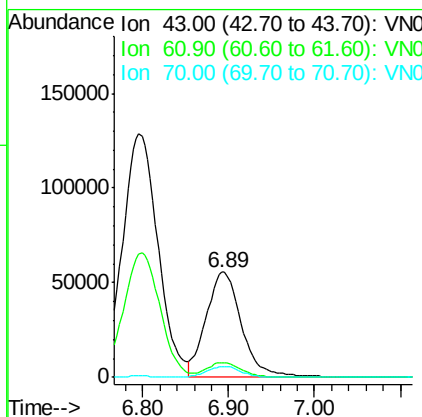
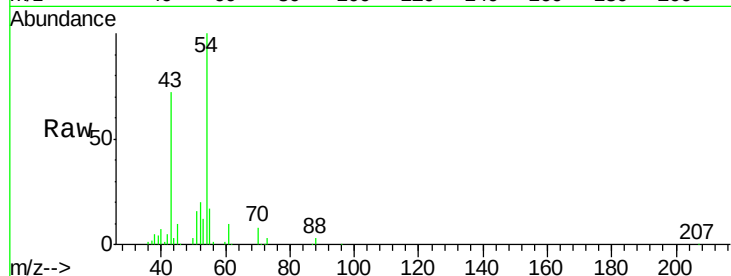
#37
Ethyl Acetate
Concen: 46.859 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	10.0	7.9	11.9

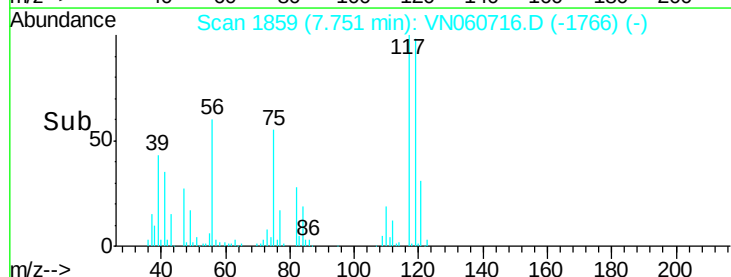
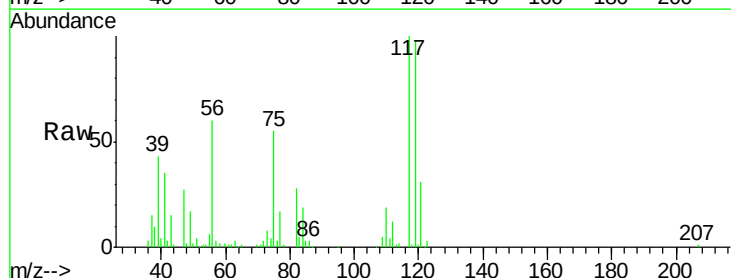
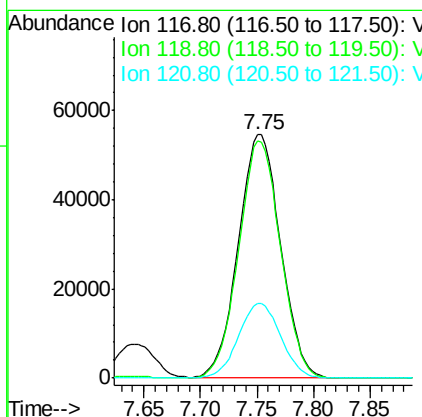
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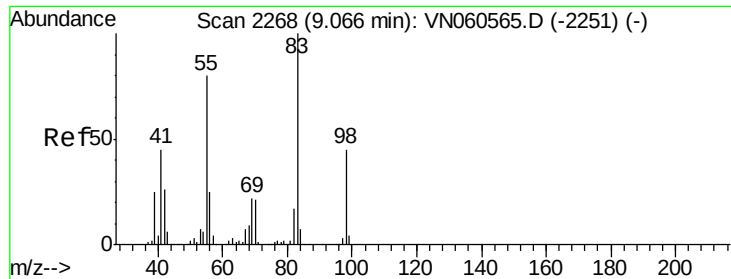
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#38
Carbon Tetrachloride
Concen: 50.582 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.2	114.2
121	30.8	23.7	35.5





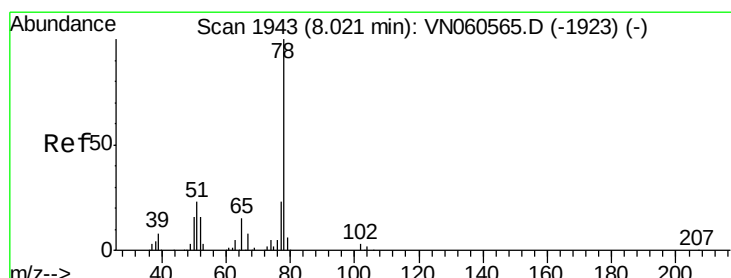
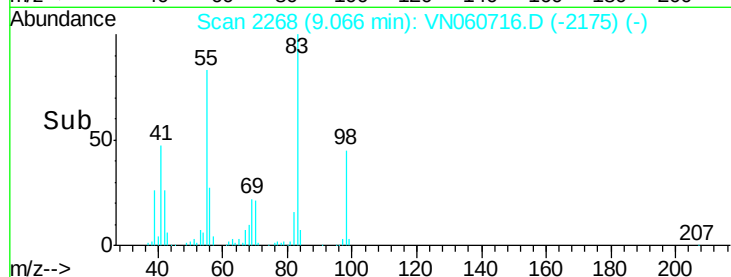
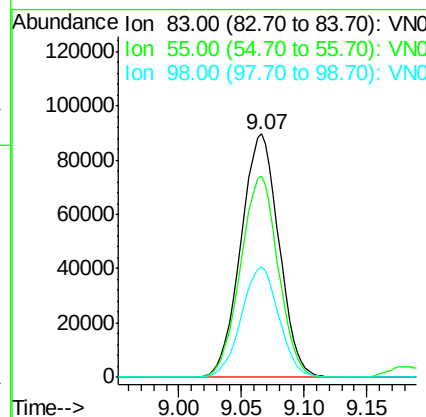
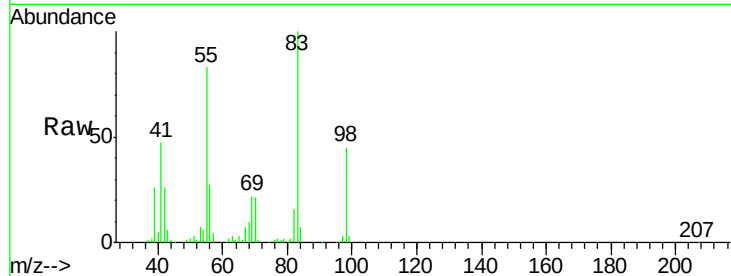
#39
Methylvlcyclohexane
Concen: 50.838 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	63.6	95.4
98	45.4	36.0	54.0

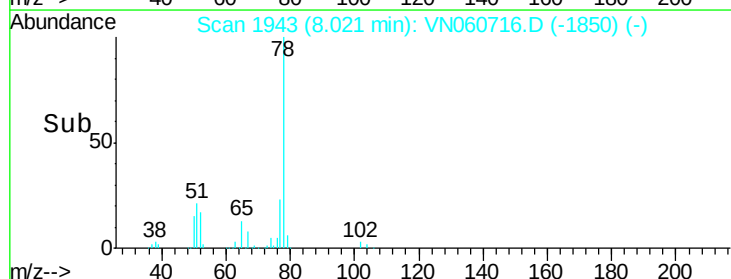
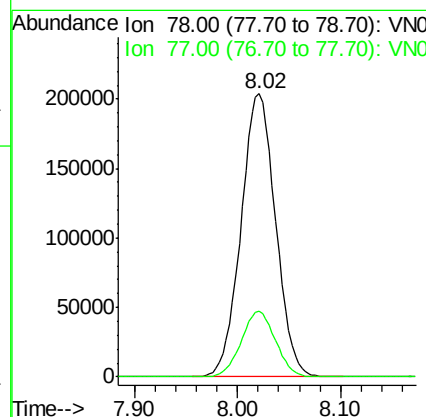
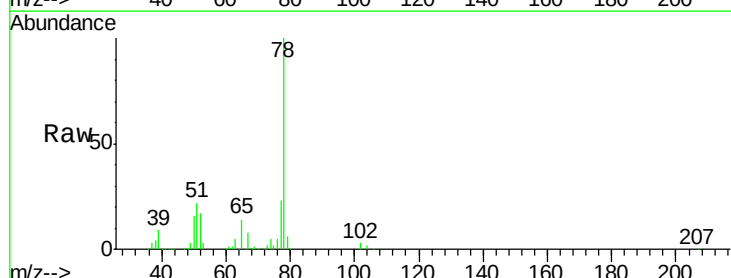
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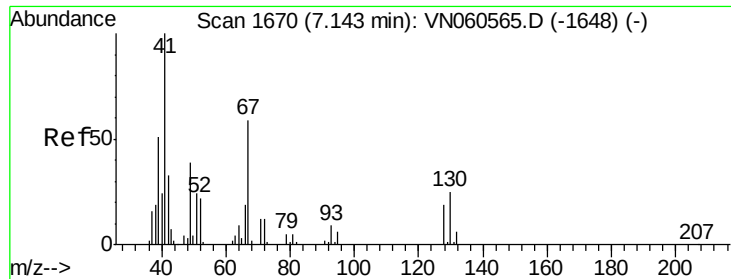
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#40
Benzene
Concen: 50.226 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0





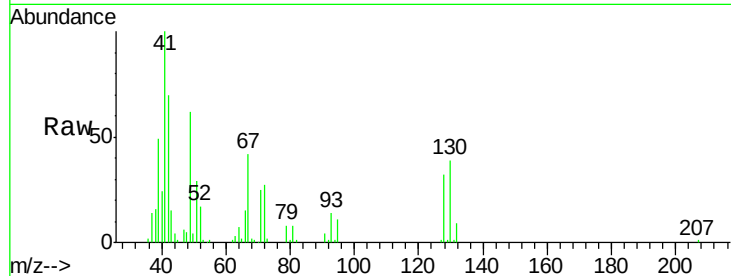
#41
Methacrylonitrile
Concen: 56.362 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

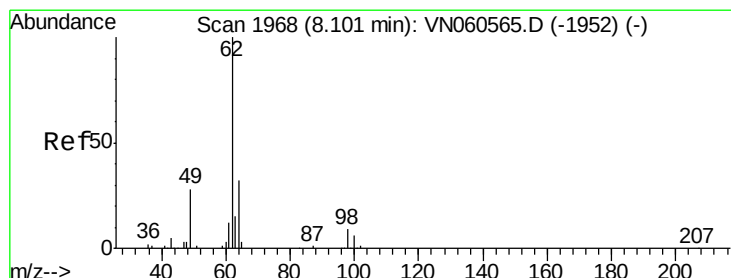
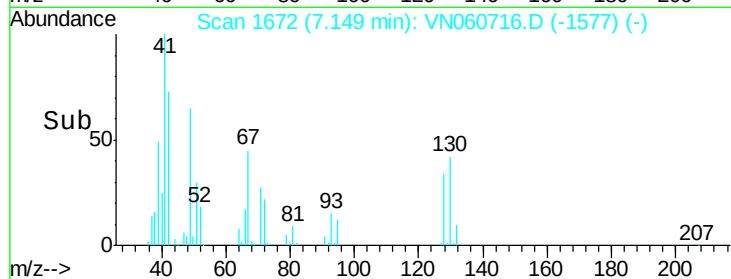
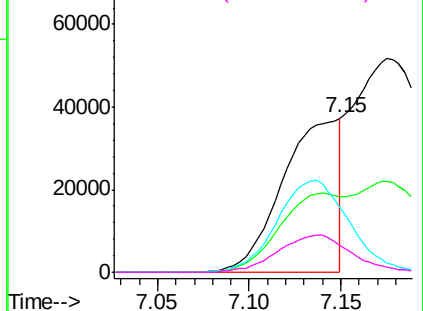
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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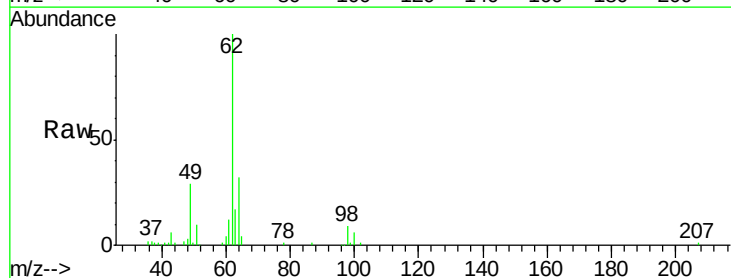


Abundance Ion 41.00 (40.70 to 41.70): VN060716.D (-1577) (-)
Ion 39.00 (38.70 to 39.70): VN060716.D (-1577) (-)
Ion 67.00 (66.70 to 67.70): VN060716.D (-1577) (-)
Ion 52.00 (51.70 to 52.70): VN060716.D (-1577) (-)

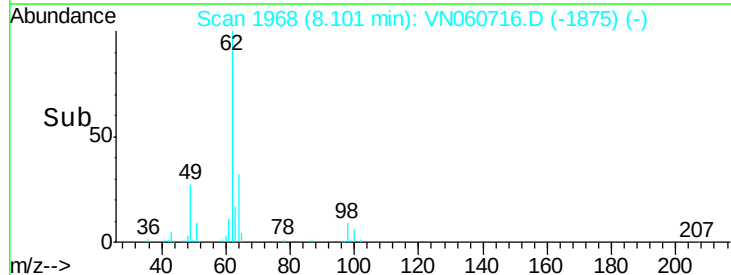
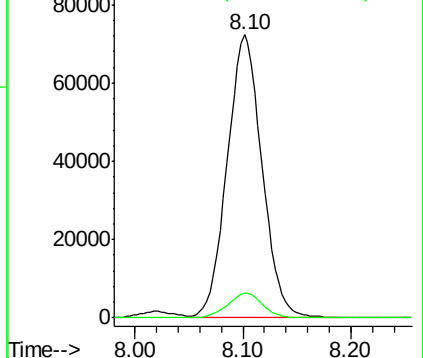


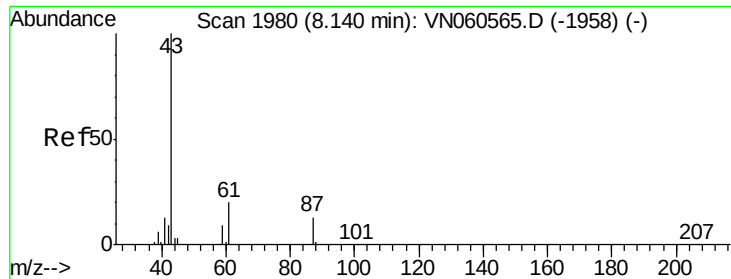
#42
1,2-Dichloroethane
Concen: 50.416 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN060716.D (-1875) (-)
Ion 97.90 (97.60 to 98.60): VN060716.D (-1875) (-)





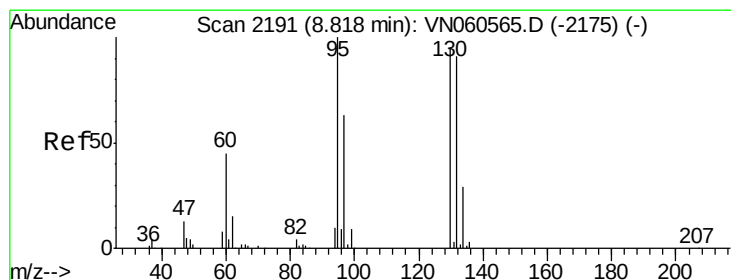
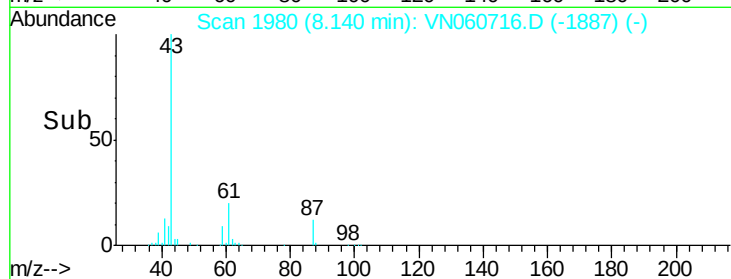
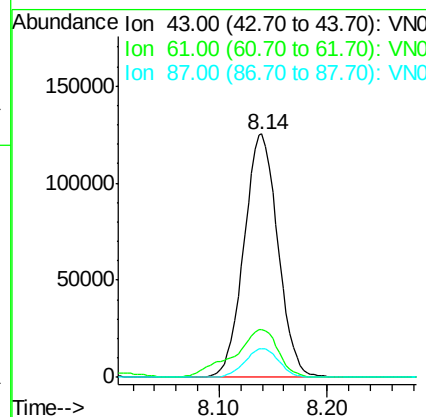
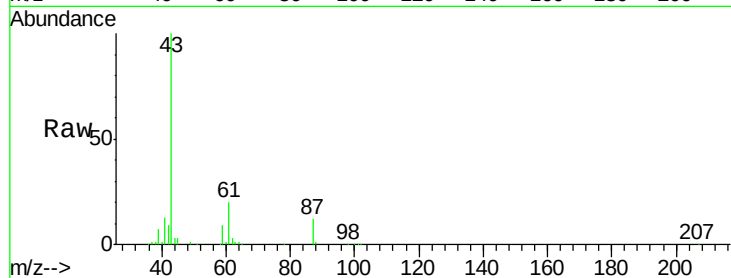
#43
Isopropyl Acetate
Concen: 49.127 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.7	31.1
87	11.9	9.8	14.8

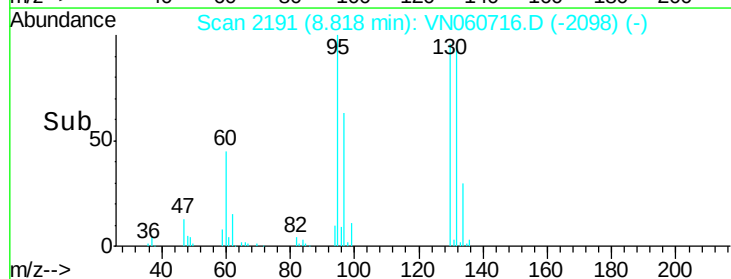
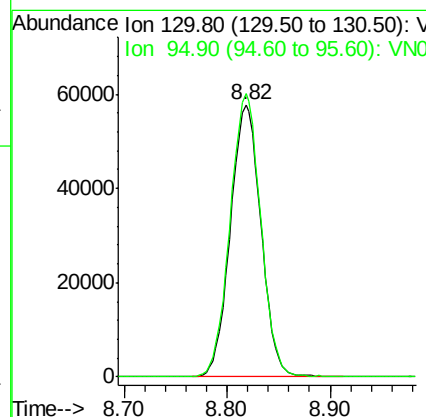
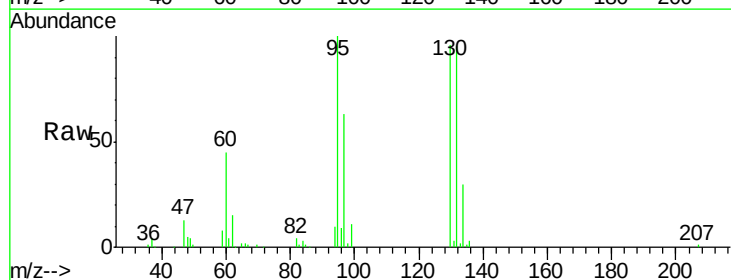
Manual Integrations
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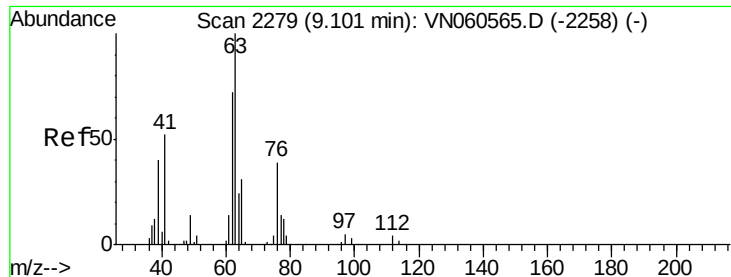
apatel
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#44
Trichloroethene
Concen: 50.166 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	211.2





#45

1,2-Dichloropropane

Concen: 51.722 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 128985

Ion Ratio Lower Upper

63 100

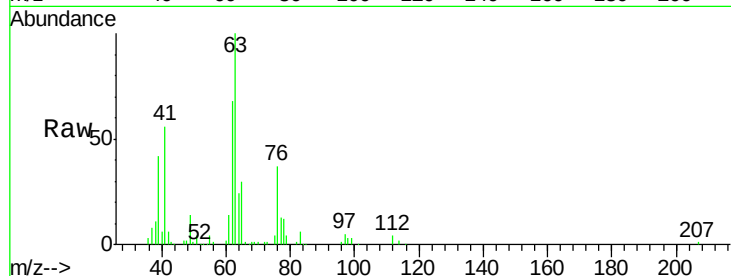
65 30.0 25.4 38.0

Manual Integrations

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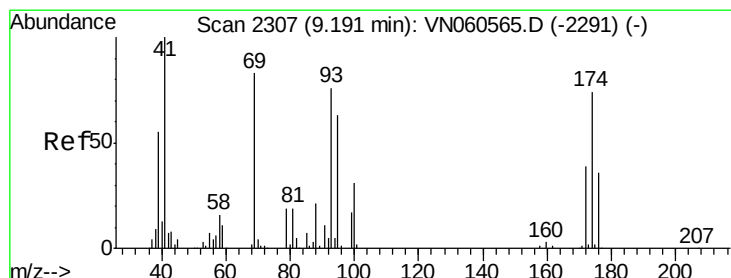
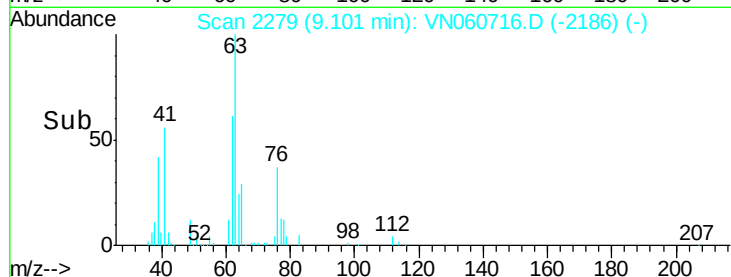
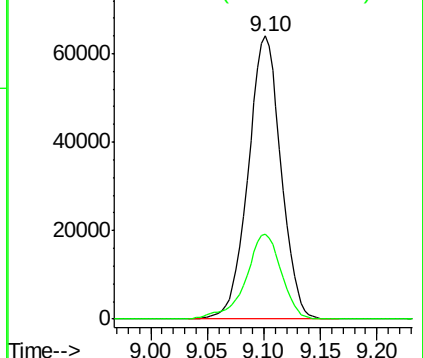
apatel

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.812 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

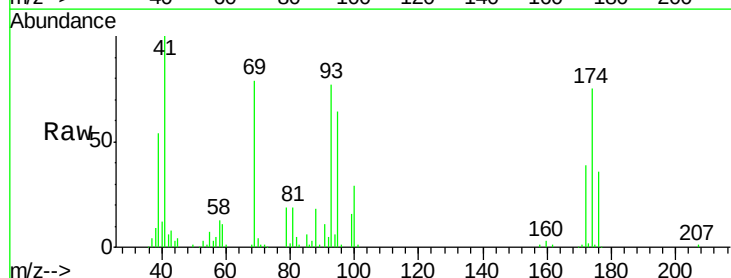
Tgt Ion: 93 Resp: 76606

Ion Ratio Lower Upper

93 100

95 81.6 66.2 99.4

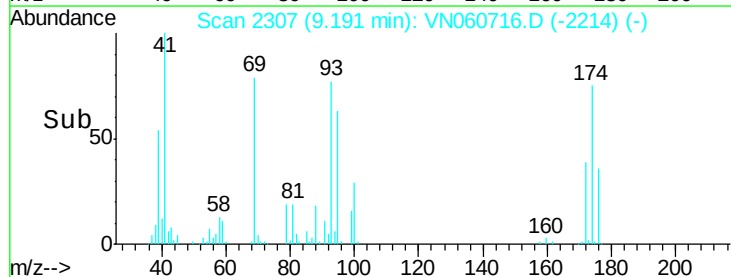
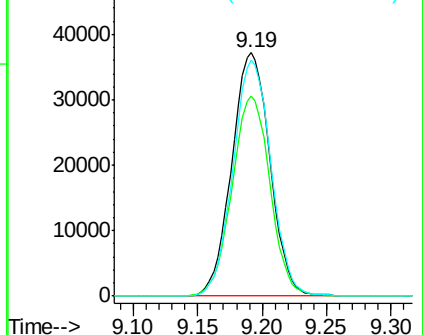
174 96.5 77.9 116.9

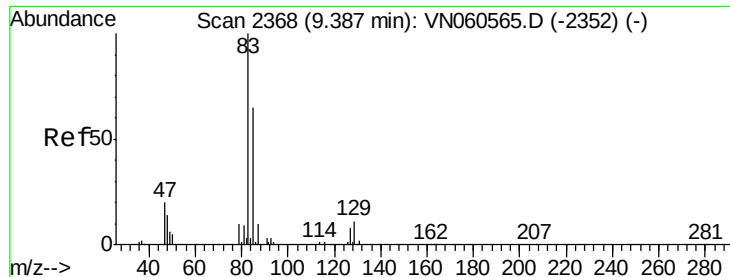


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.436 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

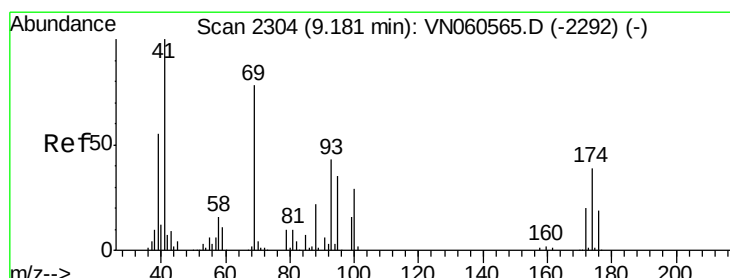
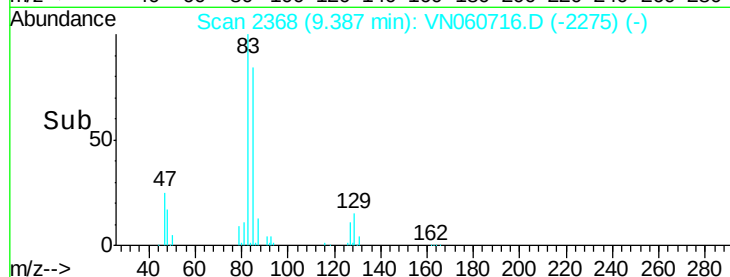
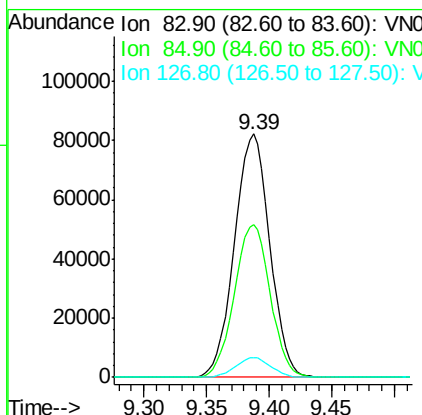
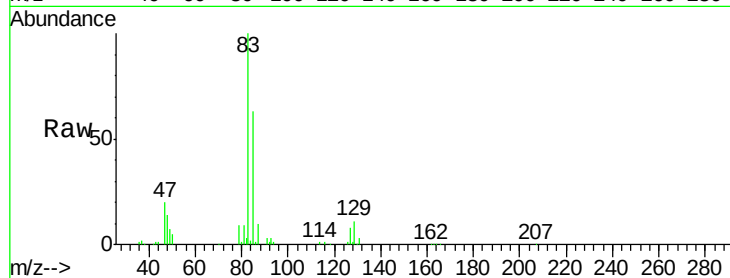
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	161145
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6
127	8.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.290 ug/l

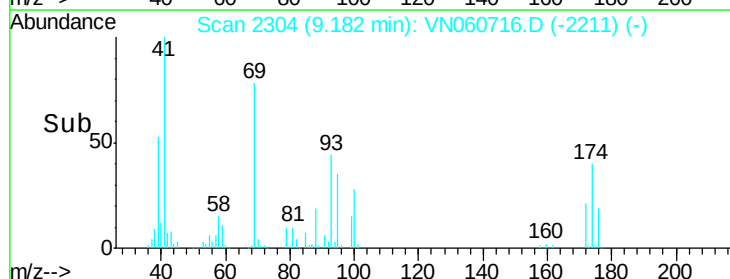
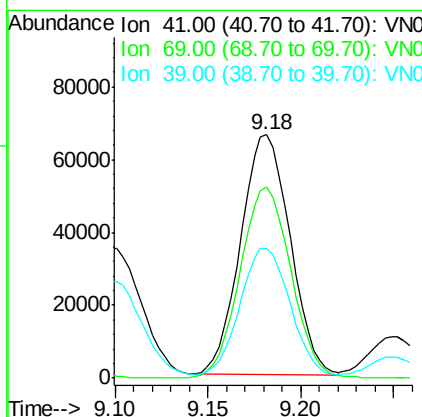
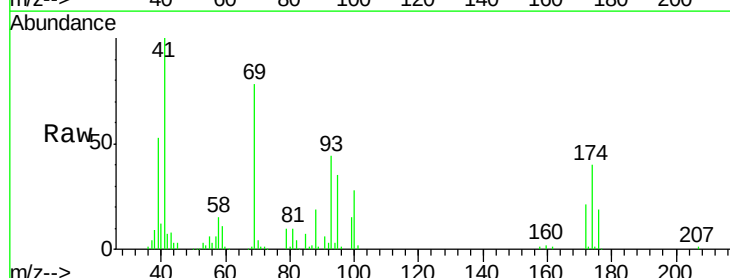
RT: 9.18 min Scan# 2304

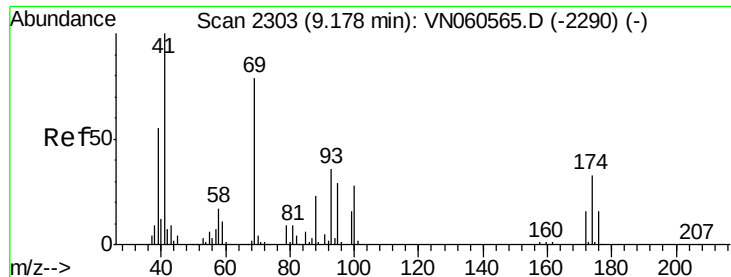
Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion:	41	Resp:	122431
Ion	Ratio	Lower	Upper
41	100		
69	81.7	65.4	98.0
39	53.4	44.0	66.0





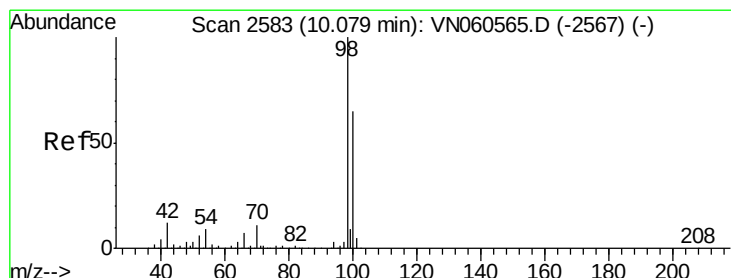
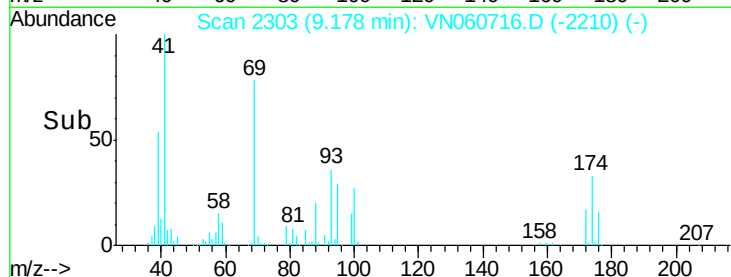
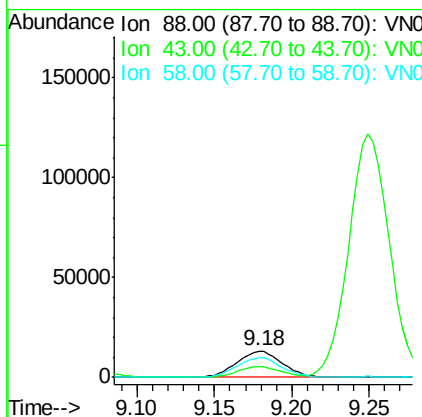
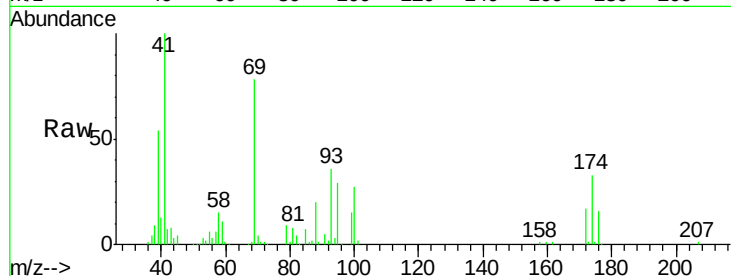
#49
1,4-Dioxane
Concen: 908.376 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	30.8	46.2
58	73.4	59.8	89.8

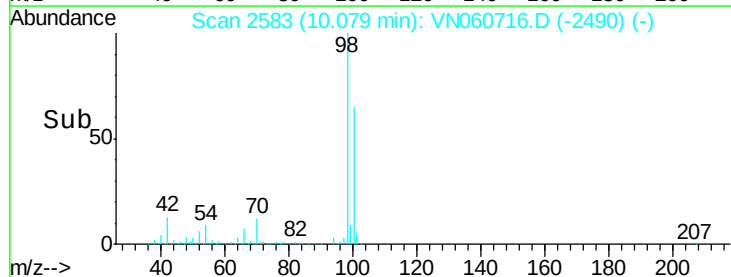
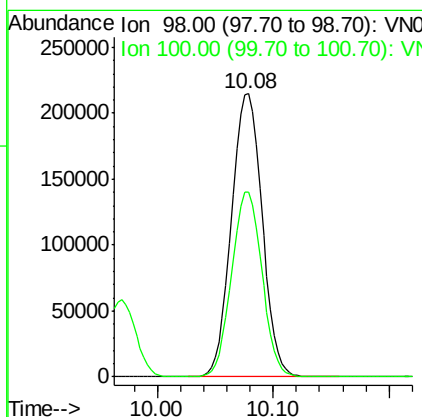
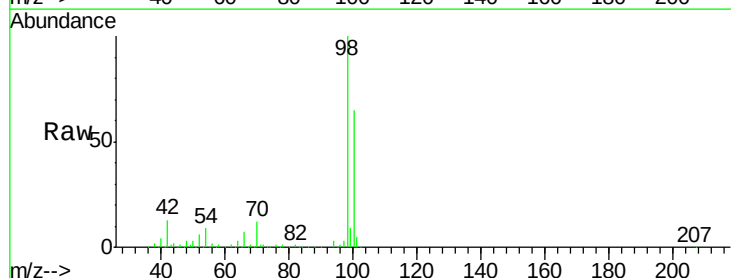
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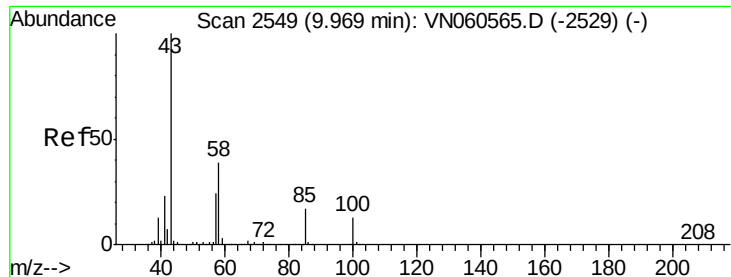
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#50
Toluene-d8
Concen: 49.265 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 248.739 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 789663

Ion Ratio Lower Upper

43 100

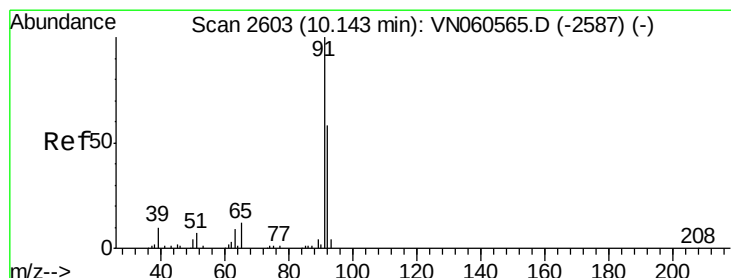
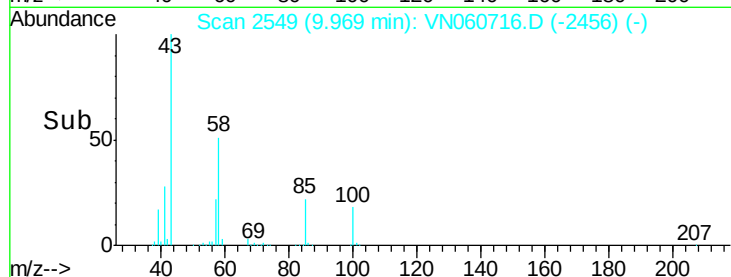
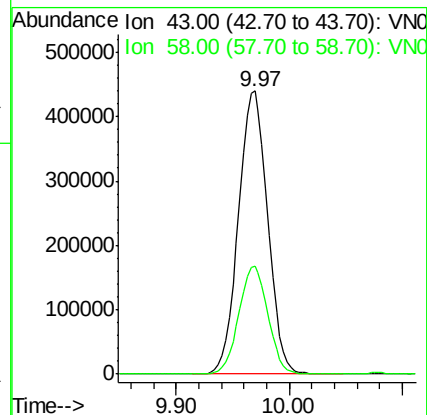
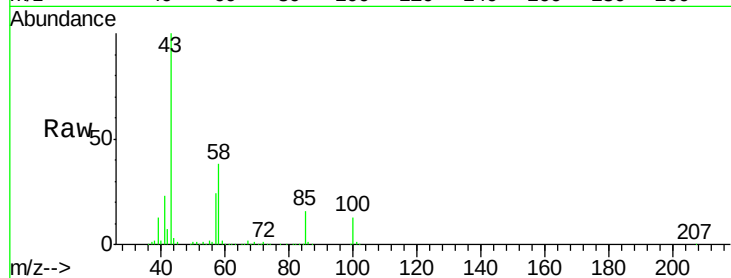
58 38.0 30.8 46.2

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#52

Toluene

Concen: 50.270 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060716.D

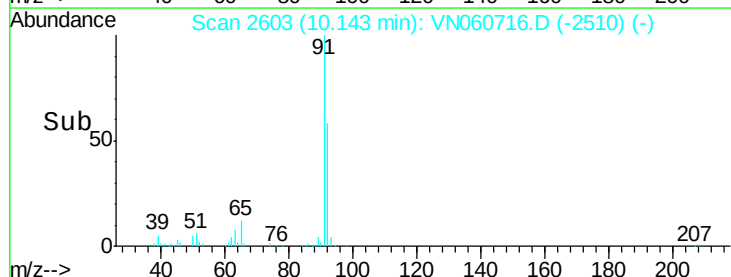
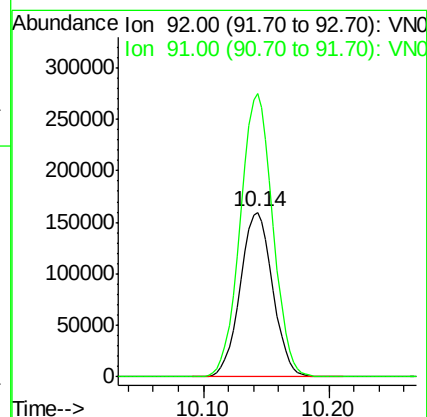
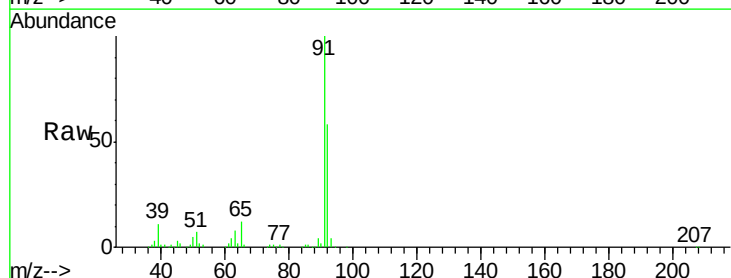
Acq: 26 Mar 2020 15:49

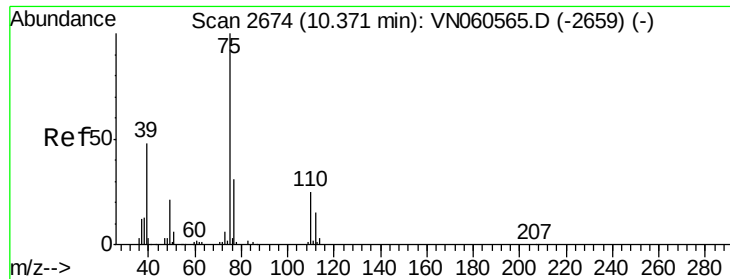
Tgt Ion: 92 Resp: 286925

Ion Ratio Lower Upper

92 100

91 172.5 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 51.626 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 185785

Ion Ratio Lower Upper

75 100

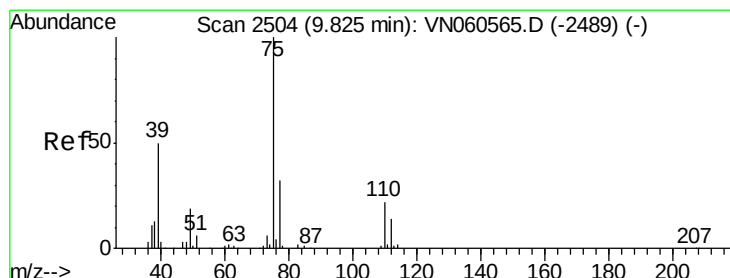
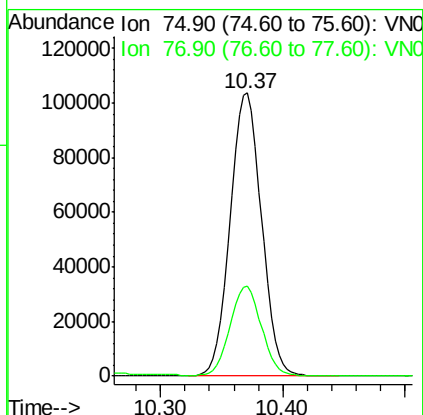
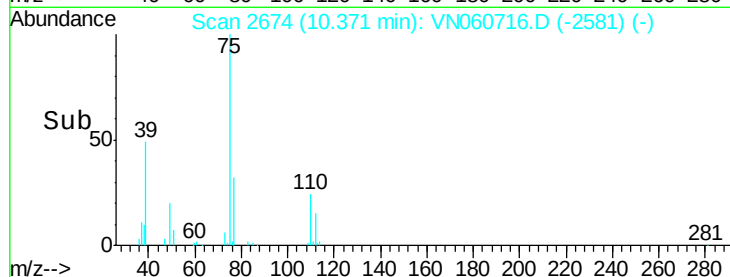
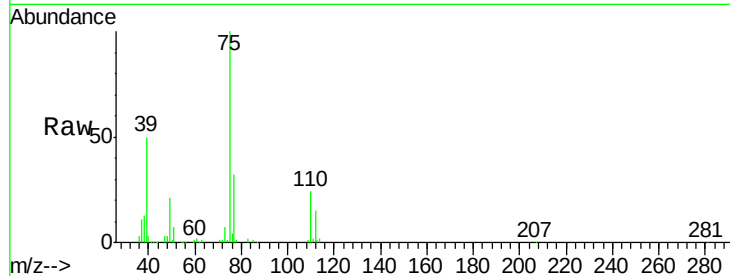
77 31.8 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 51.049 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

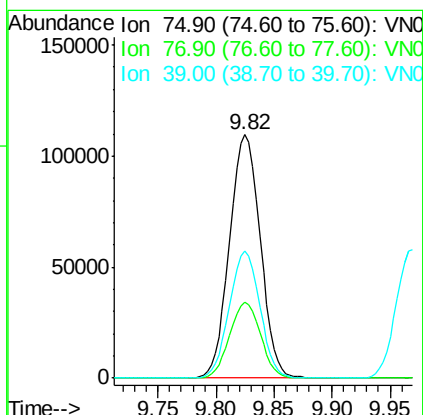
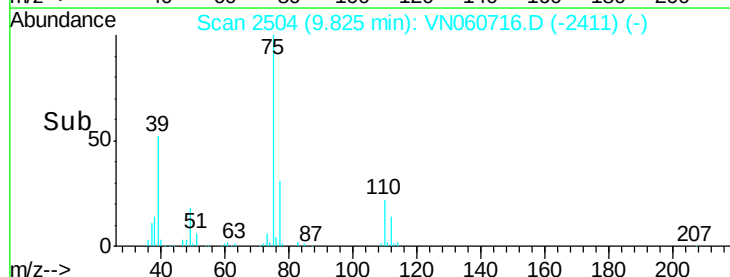
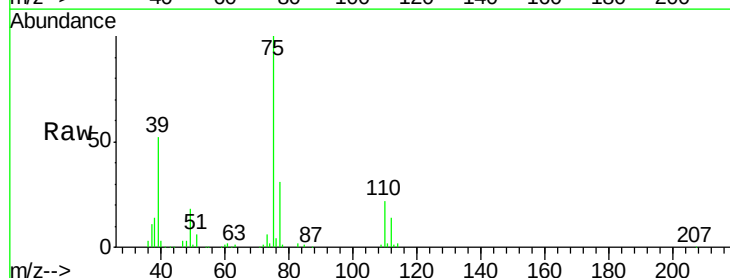
Tgt Ion: 75 Resp: 201539

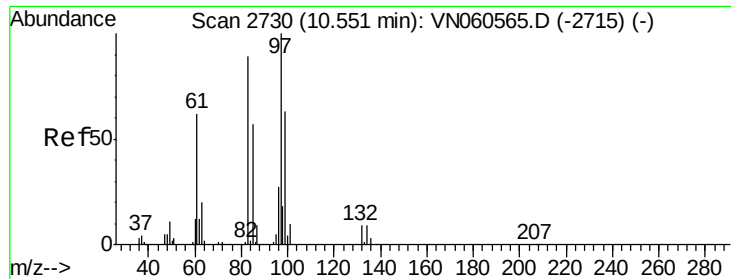
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 52.2 40.2 60.4





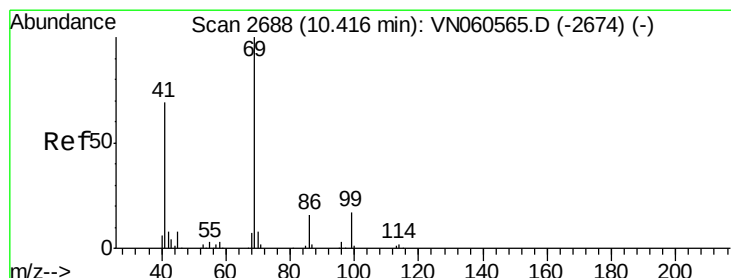
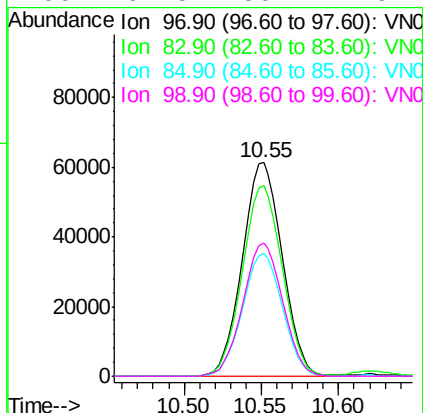
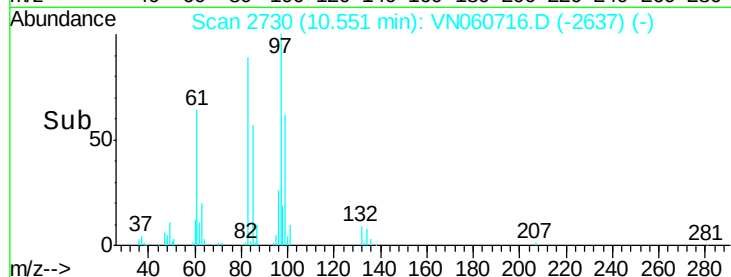
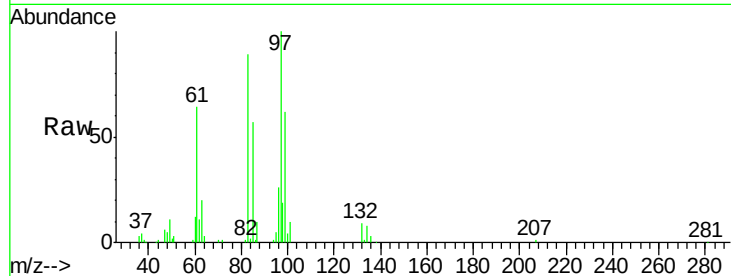
#55
 1,1,2-Trichloroethane
 Concen: 50.262 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		110368		
83	89.1	71.3	106.9		
85	57.4	45.2	67.8		
99	62.5	50.1	75.1		

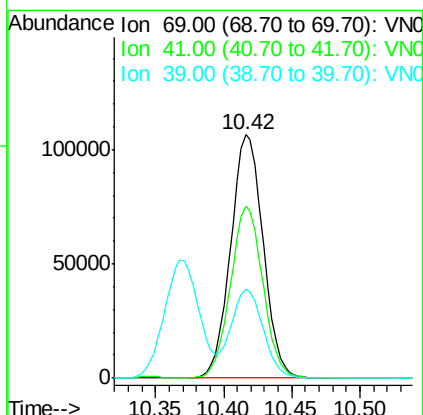
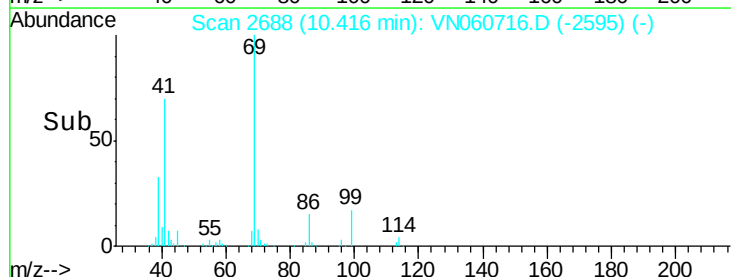
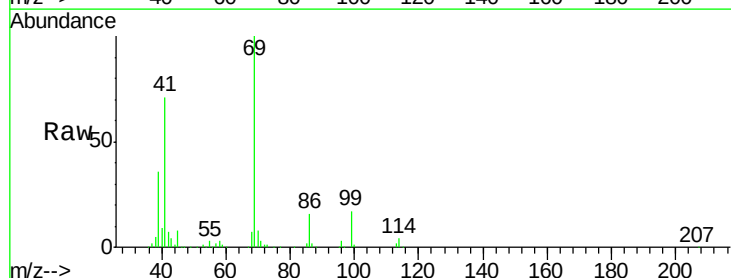
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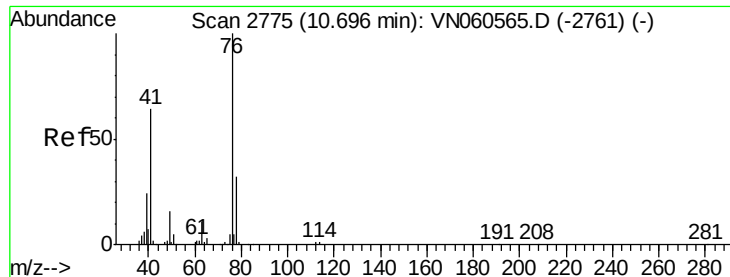
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#56
 Ethyl methacrylate
 Concen: 51.472 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		176232		
41	70.0	55.4	83.2		
39	36.9	29.4	44.0		





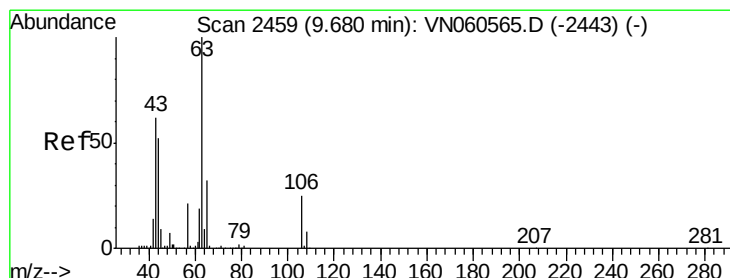
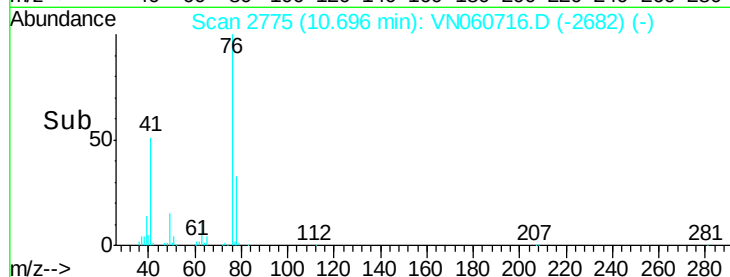
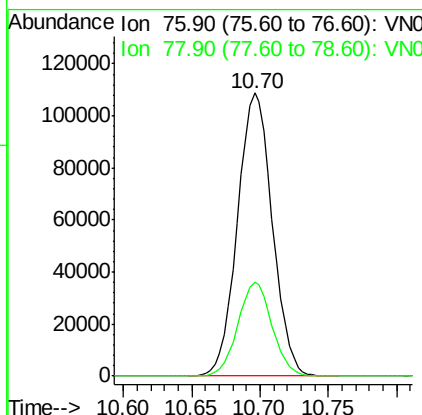
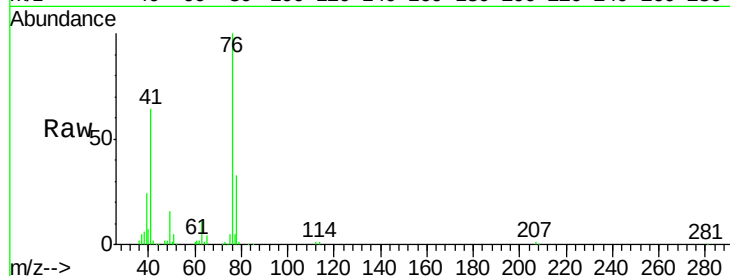
#57
 1,3-Dichloropropane
 Concen: 50.568 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

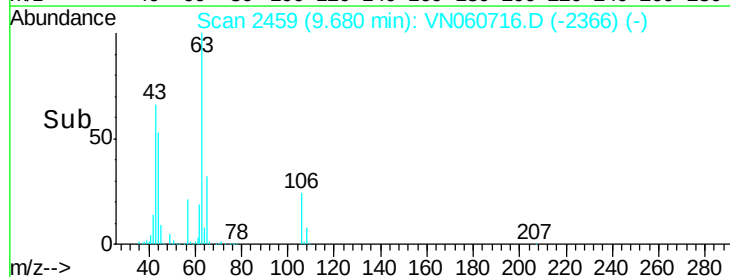
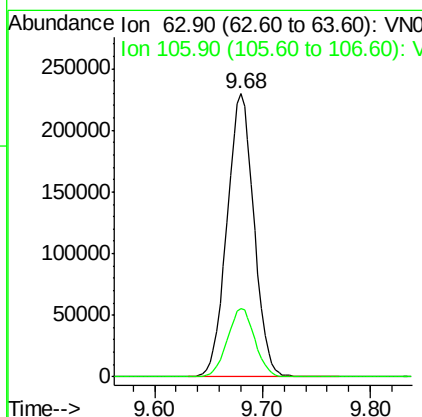
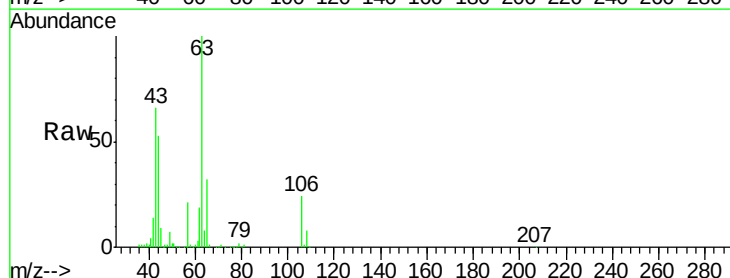
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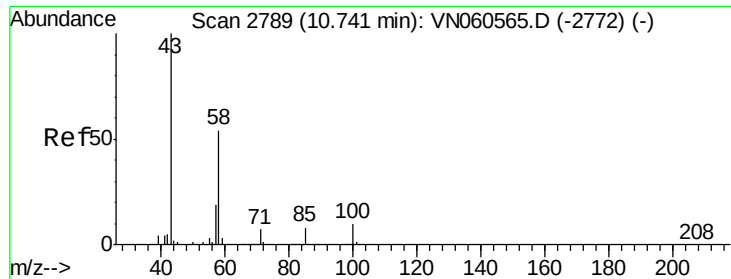
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#58
 2-Chloroethyl Vinyl ether
 Concen: 234.733 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	20.0	30.0





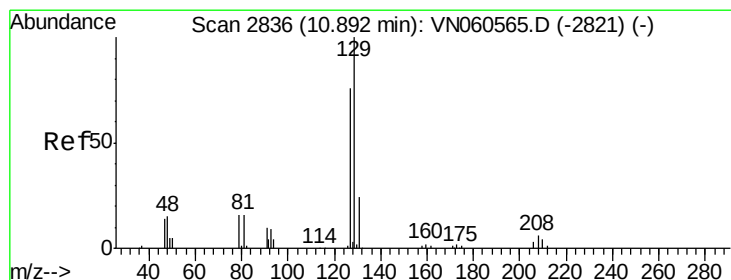
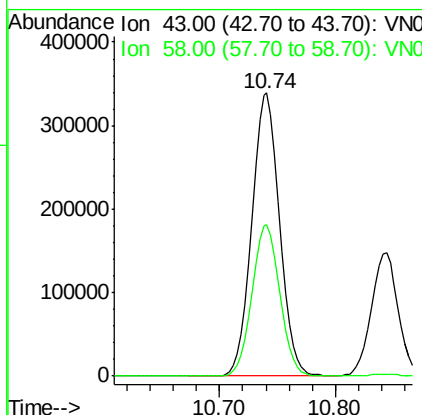
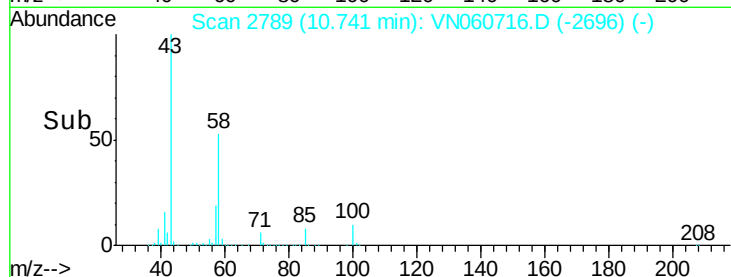
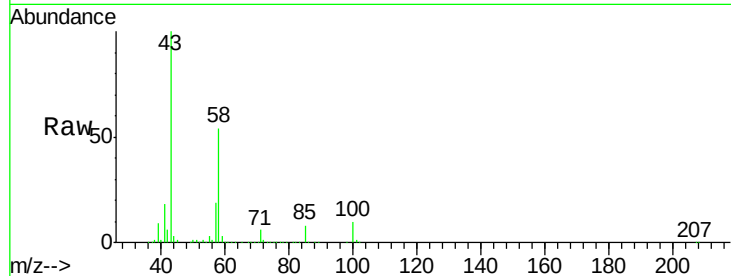
#59
2-Hexanone
Concen: 248.081 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 567331
Ion Ratio Lower Upper
43 100
58 53.7 26.7 80.1

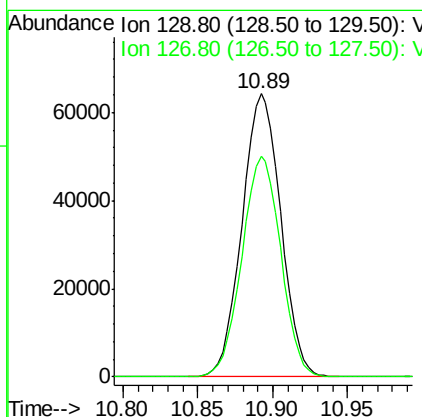
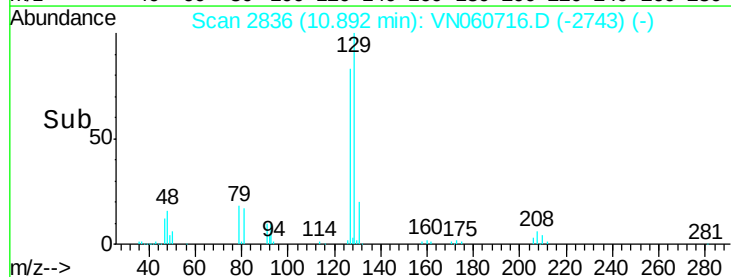
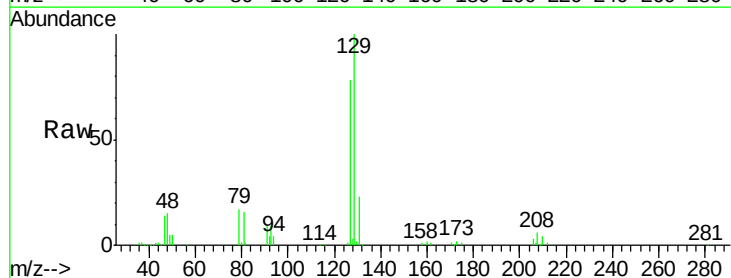
Manual Integrations
APPROVED

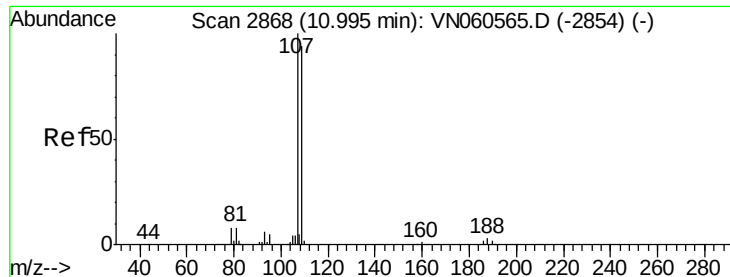
apatel
3/27/2020 10:11:31 AM



#60
Dibromochloromethane
Concen: 51.078 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion: 129 Resp: 115854
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





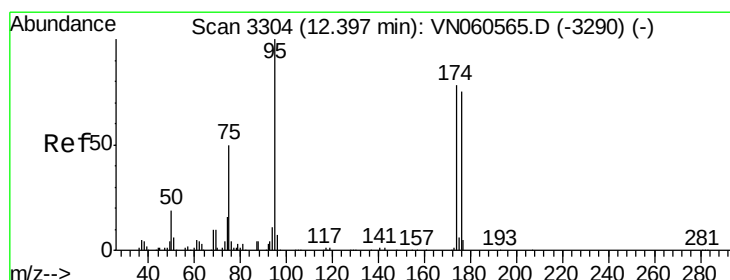
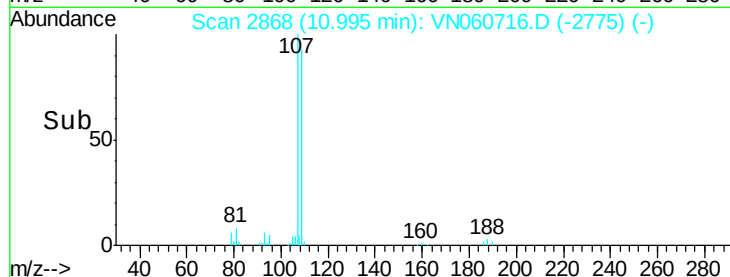
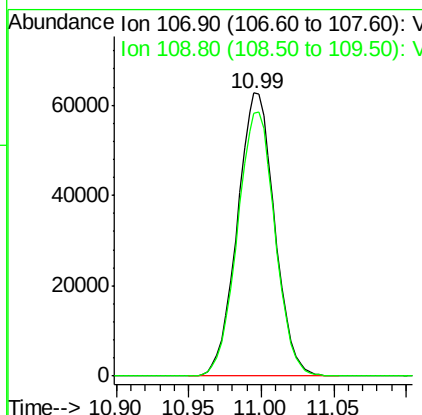
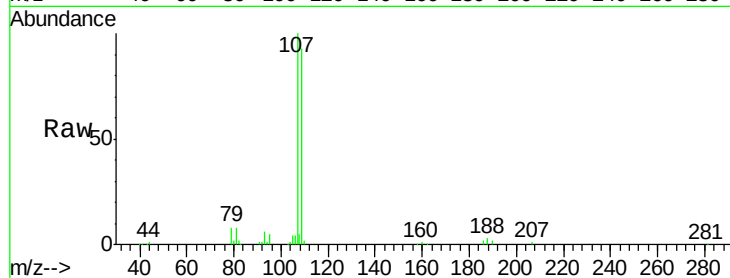
#61
 1,2-Dibromoethane
 Concen: 50.629 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.4	113.2

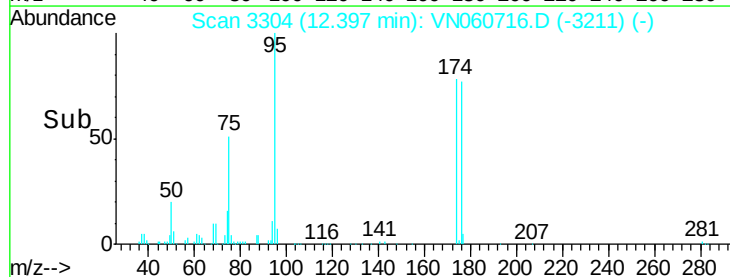
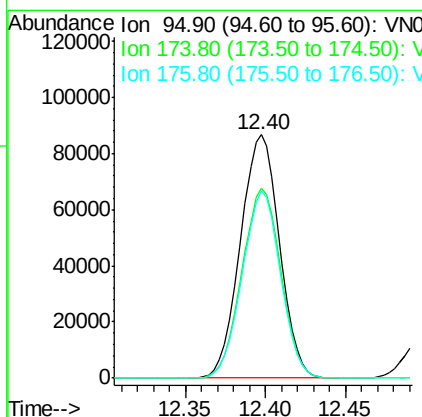
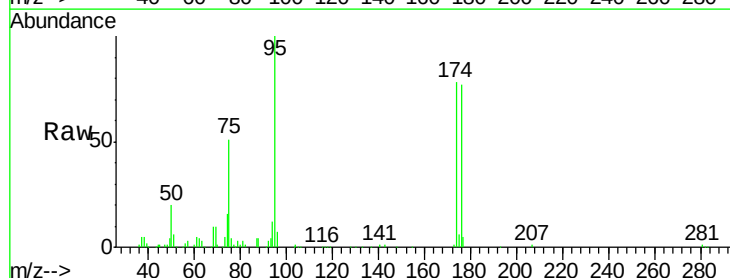
Manual Integrations
 APPROVED

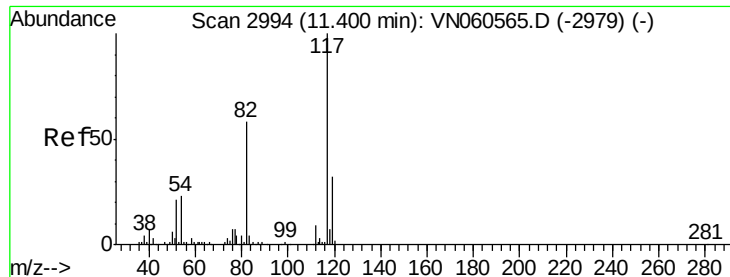
apatel
 3/27/2020 10:11:31 AM



#62
 4-Bromofluorobenzene
 Concen: 49.289 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	157.6
176	75.5	0.0	150.6





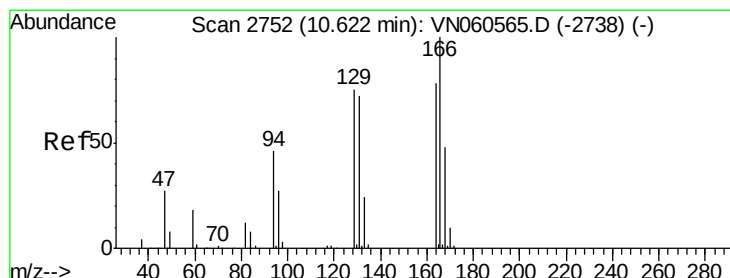
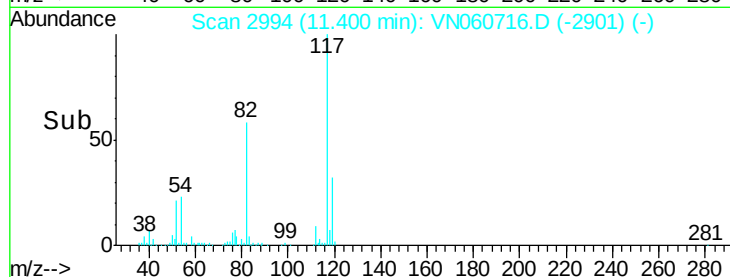
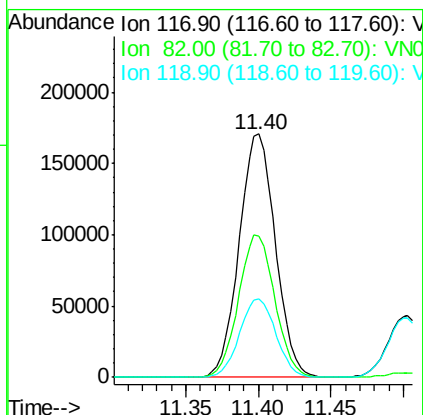
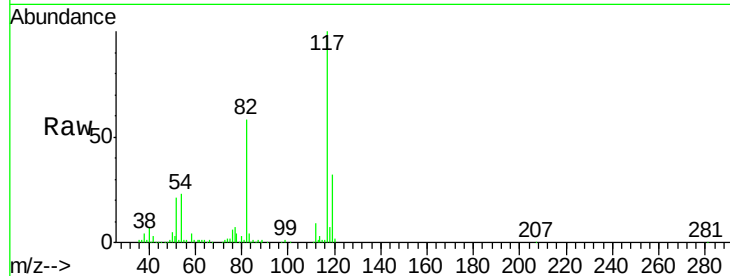
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.7	70.1
119	32.2	25.5	38.3

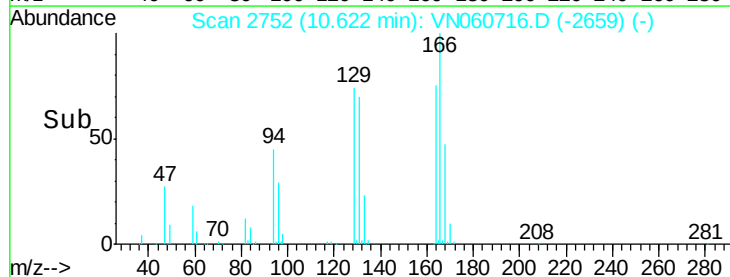
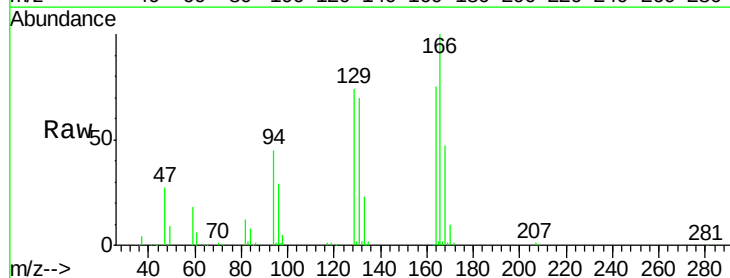
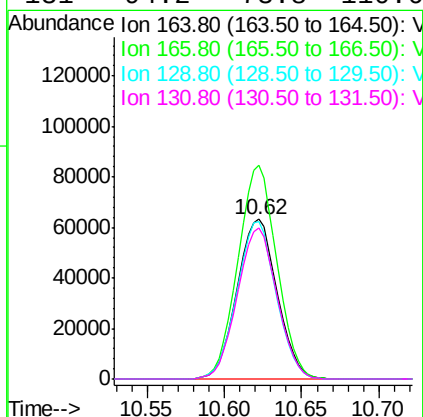
Manual Integrations
APPROVED

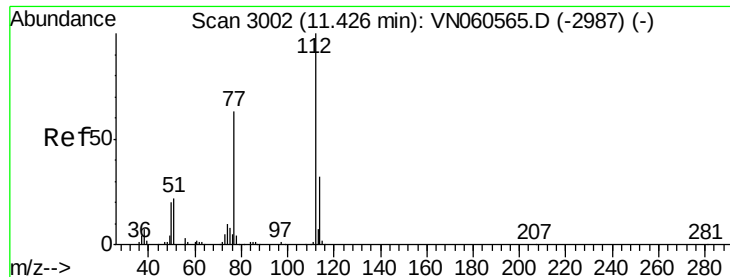
apatel
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#64
Tetrachloroethene
Concen: 48.653 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.6	102.7	154.1
129	98.7	77.2	115.8
131	94.2	73.8	110.6





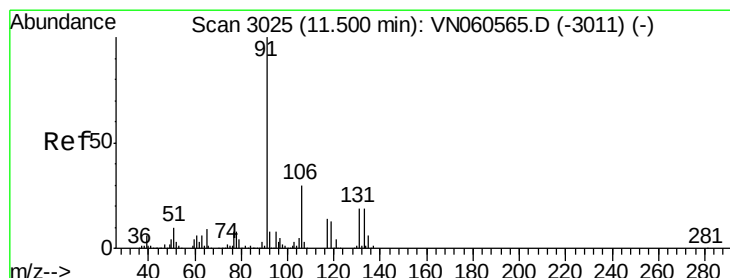
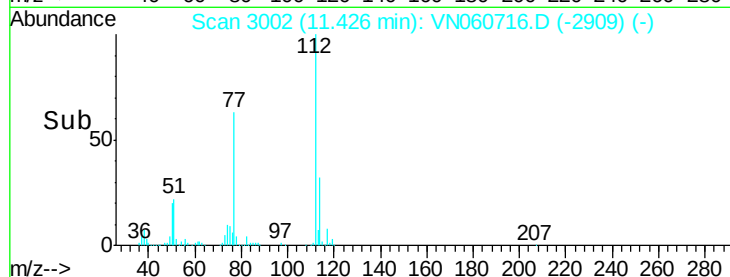
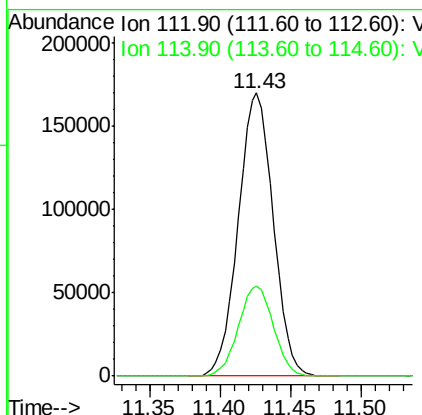
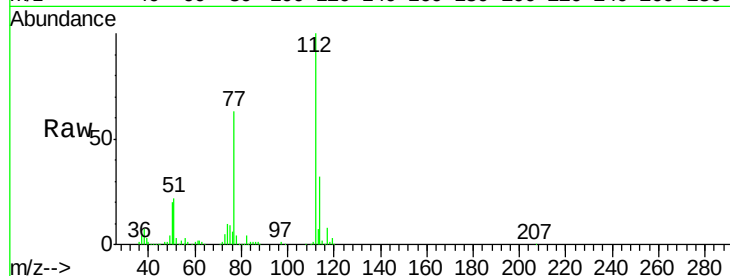
#65
Chlorobenzene
Concen: 50.001 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.6

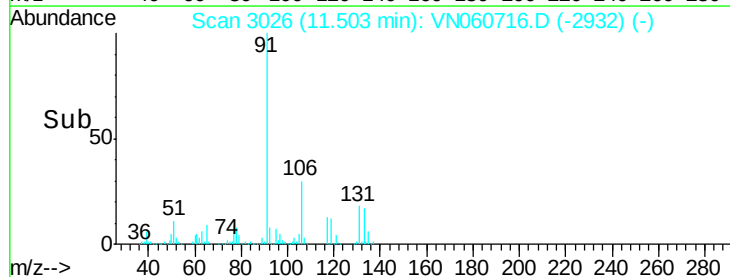
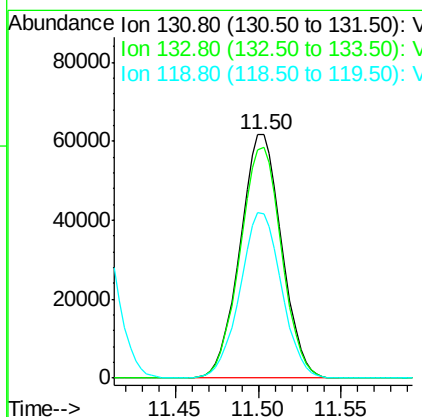
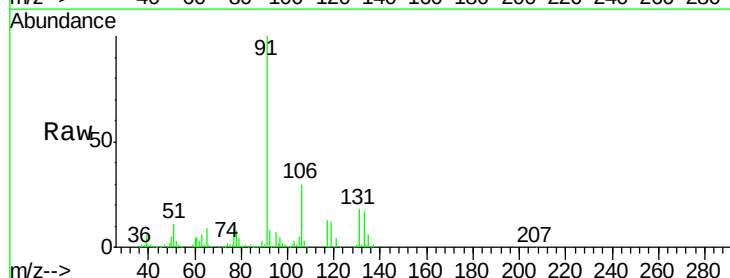
Manual Integrations
APPROVED

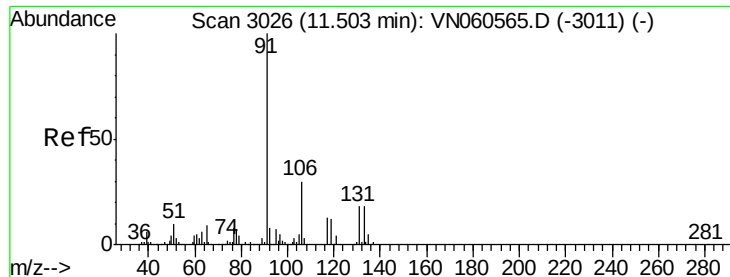
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.521 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.9	146.8
119	67.6	33.9	101.7





#67

Ethyl Benzene

Concen: 50.717 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 554555

Ion Ratio Lower Upper

91 100

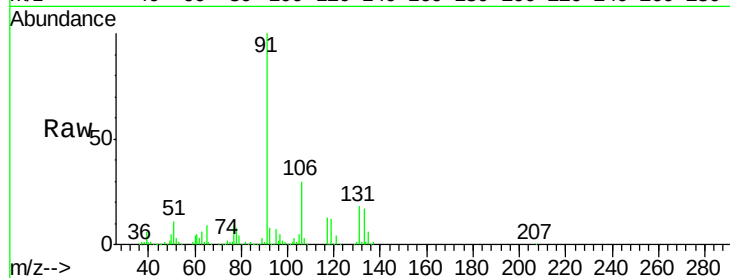
106 30.5 24.2 36.2

Manual Integrations

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apatel

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Abundance Ion 91.00 (90.70 to 91.70): VN060716.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060716.D (-2933) (-)

500000

400000

300000

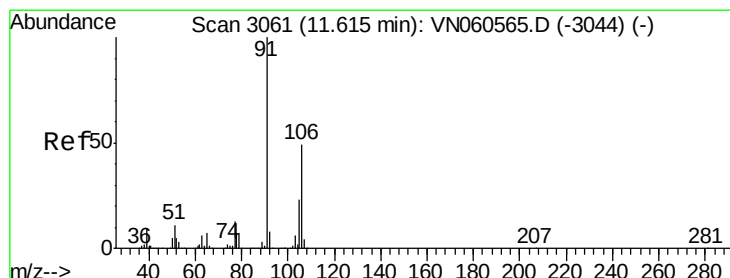
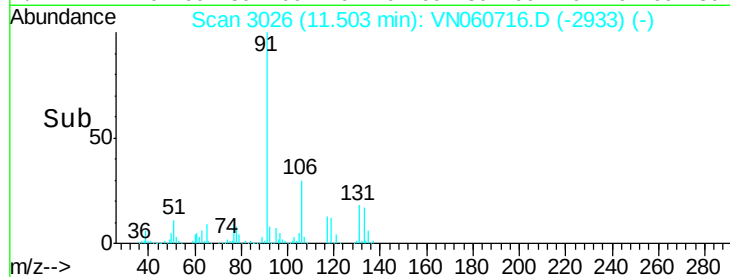
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 100.029 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060716.D

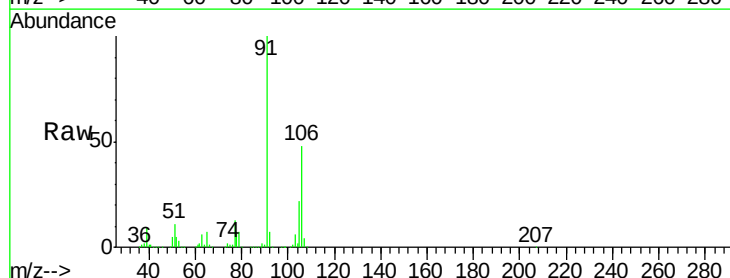
Acq: 26 Mar 2020 15:49

Tgt Ion: 106 Resp: 406442

Ion Ratio Lower Upper

106 100

91 208.1 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060716.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060716.D (-2968) (-)

500000

400000

300000

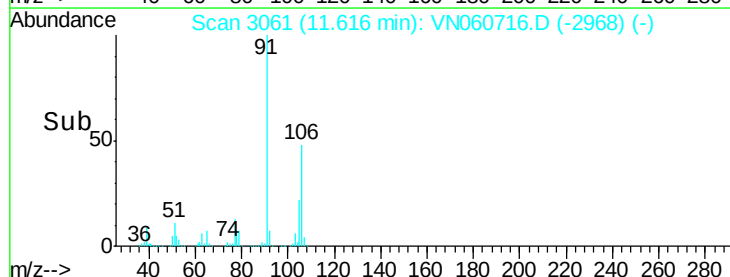
200000

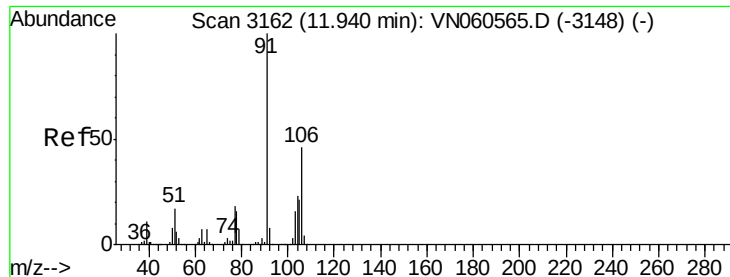
100000

0

11.60 11.62 11.70

Time-->





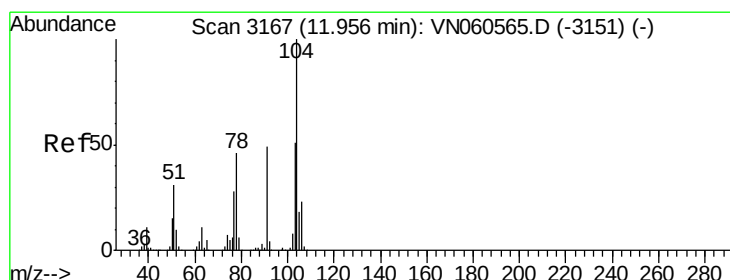
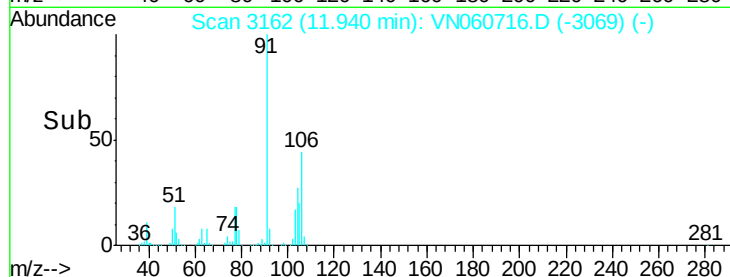
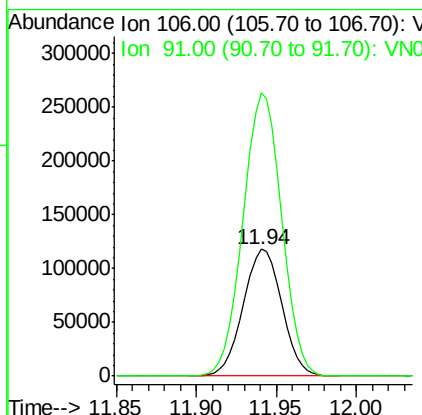
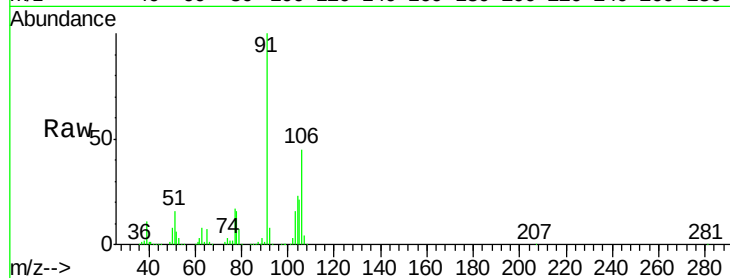
#69
o-Xylene
Concen: 50.239 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	222.6	109.5	328.4	

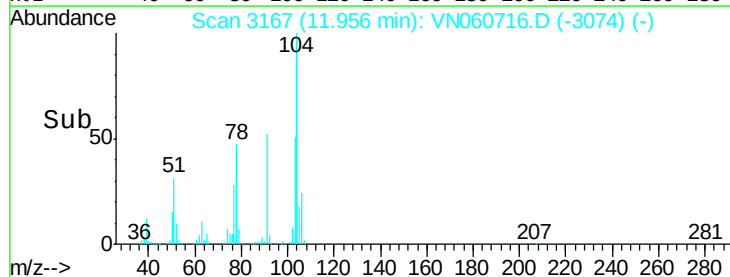
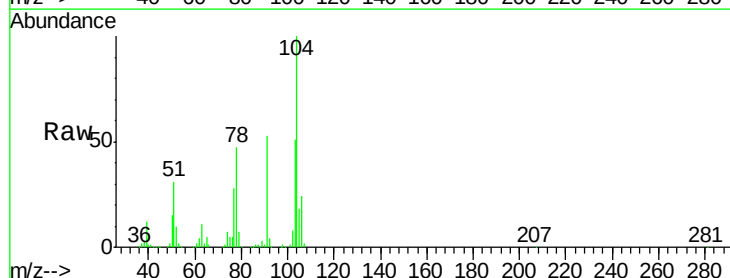
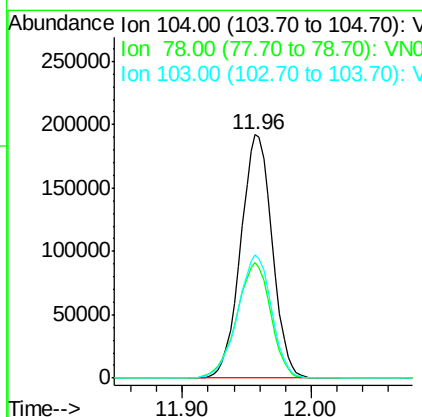
Manual Integrations
APPROVED

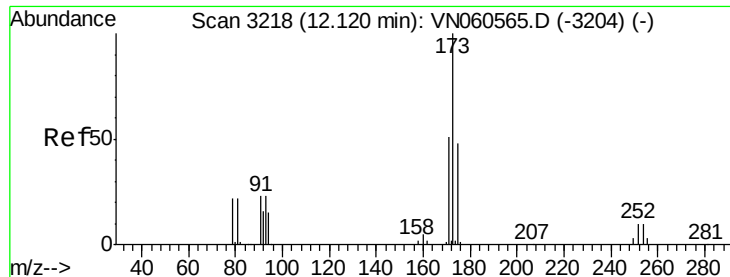
apatel
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#70
Styrene
Concen: 51.579 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.4	41.2	61.8	
103	54.2	44.0	66.0	





#71

Bromoform

Concen: 46.790 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82590

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.4

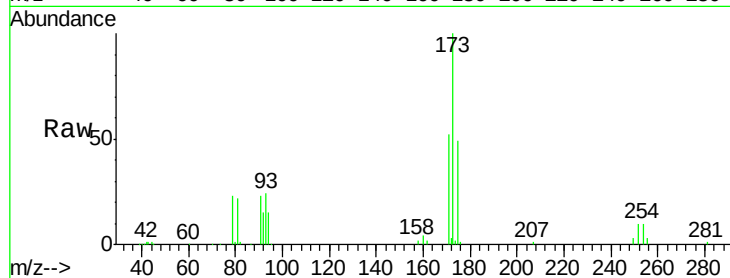
254 0.0 0.0 0.0

Manual Integrations

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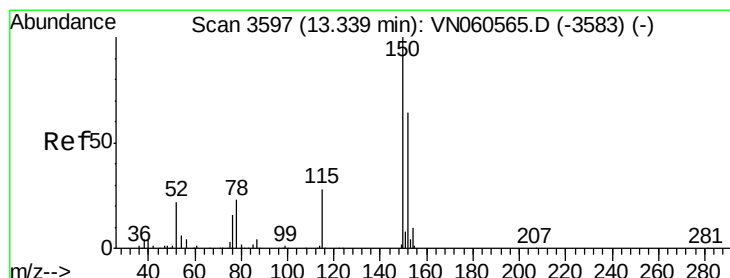
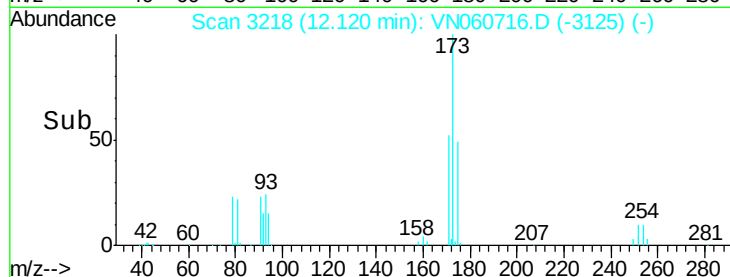
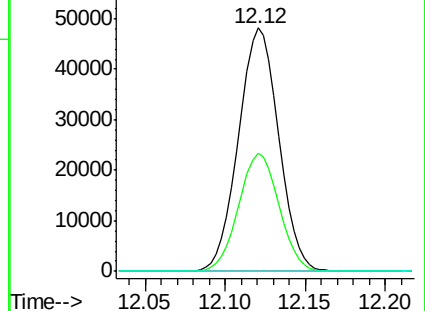
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

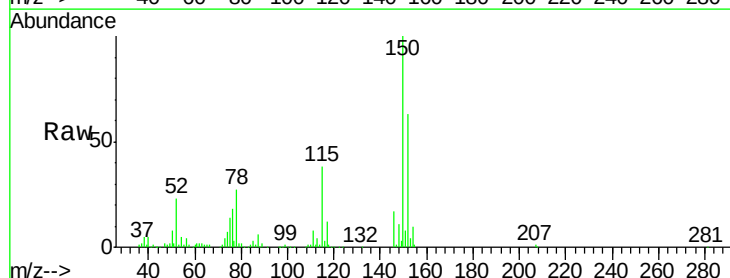
Tgt Ion:152 Resp: 145786

Ion Ratio Lower Upper

152 100

115 59.7 30.2 90.6

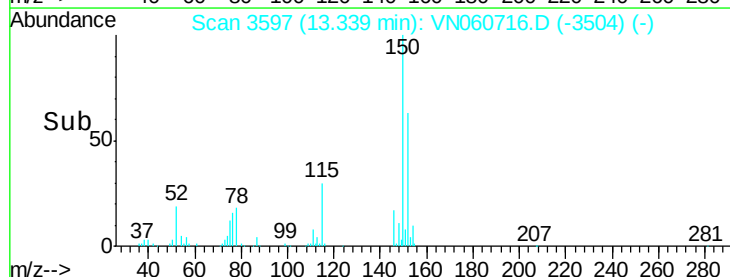
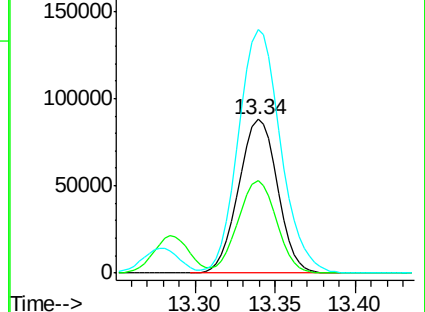
150 172.0 0.0 350.2

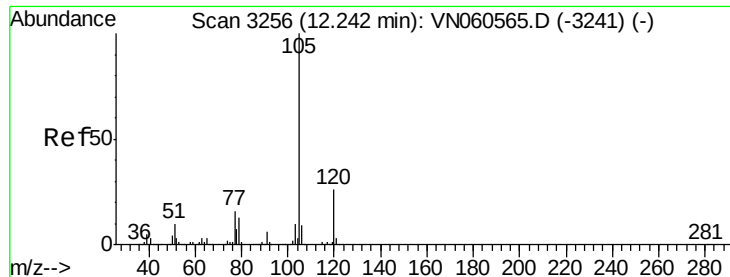


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.311 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 528558

Ion Ratio Lower Upper

105 100

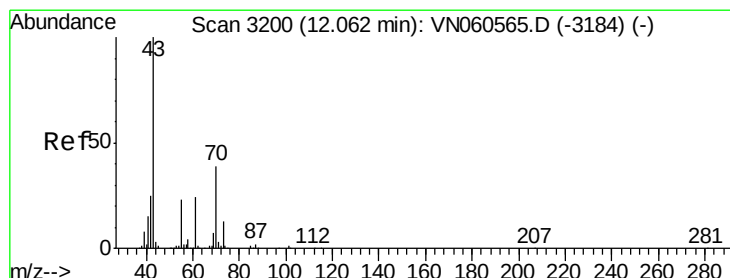
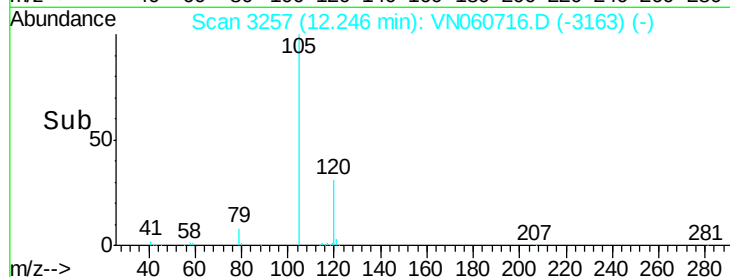
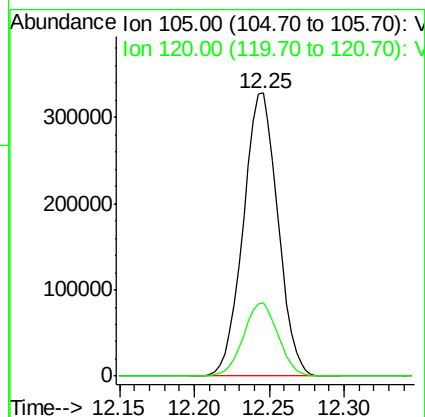
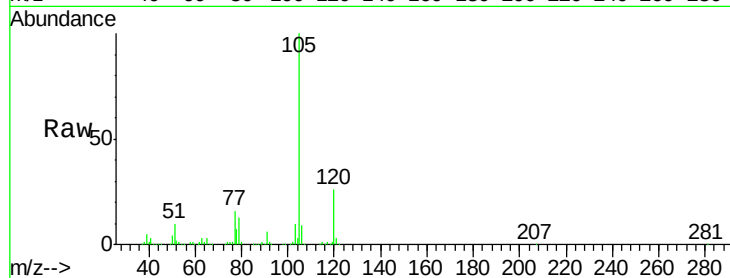
120 25.8 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.864 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion: 43 Resp: 241978

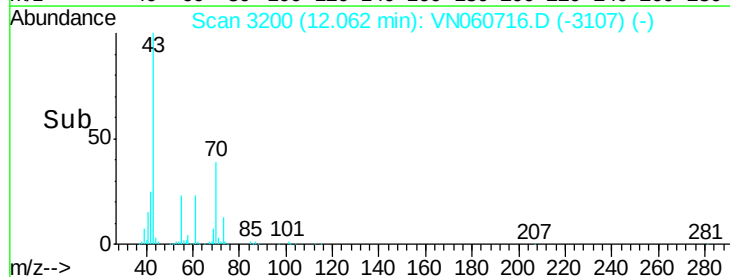
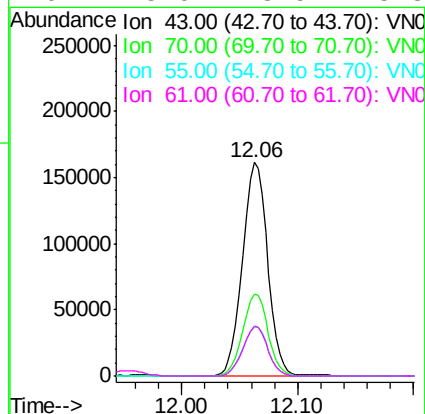
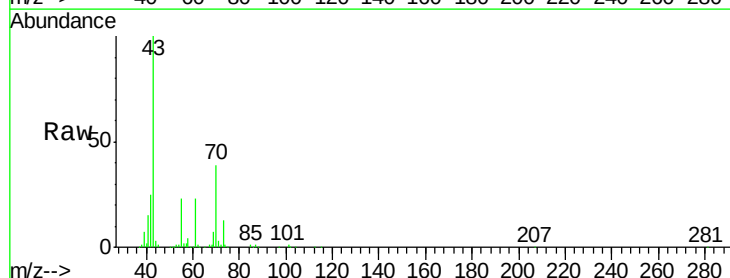
Ion Ratio Lower Upper

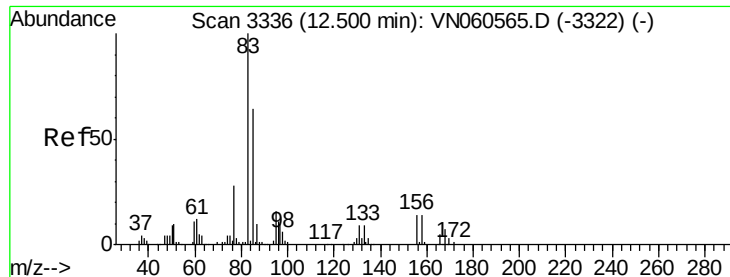
43 100

70 38.9 31.1 46.7

55 23.5 18.6 27.8

61 23.0 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.727 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

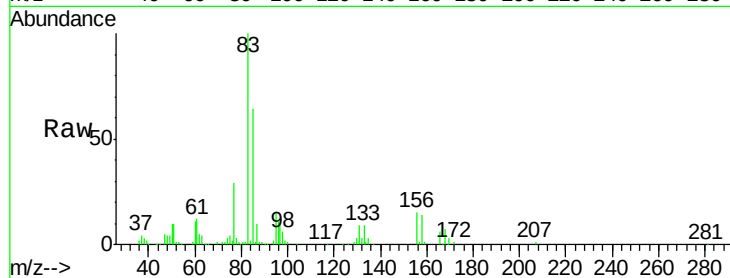
ClientSampleId :

VSTDCCC050

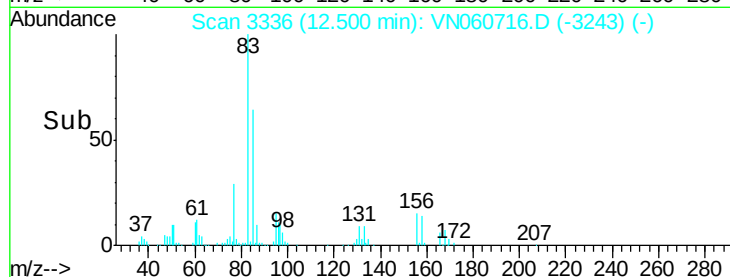
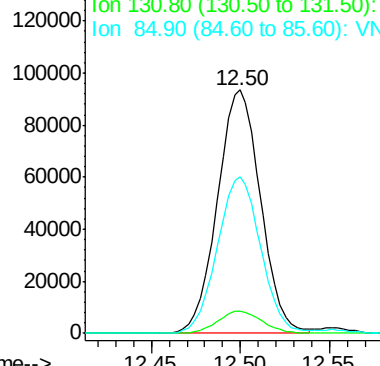
Tot Ion:	83	Resp:	157908
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	64.6	32.5	97.4

Manual Integrations
APPROVED

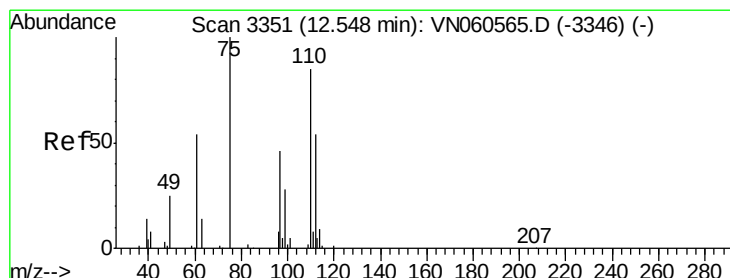
apatel
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Abundance Ion 82.90 (82.60 to 83.60): VN060716.D (-3243) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 45.954 ug/l m

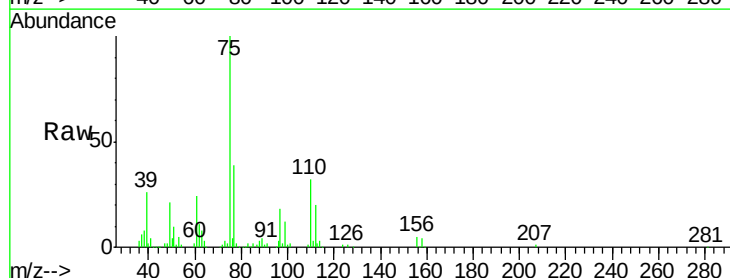
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

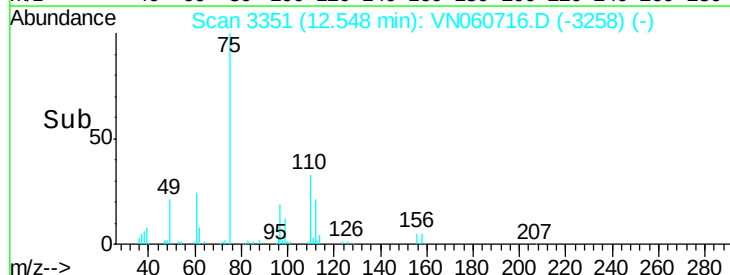
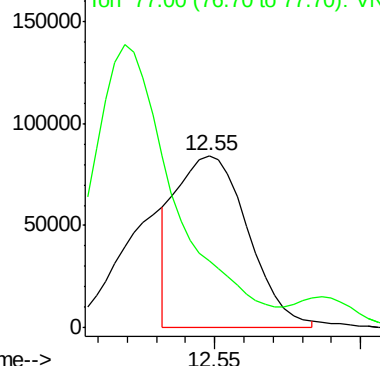
Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

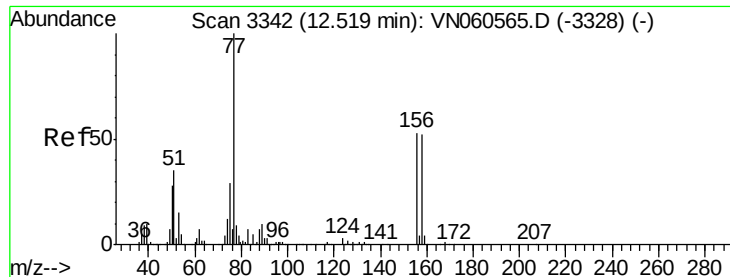
Tgt Ion:	75	Resp:	144560
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060716.D (-3258) (-)



Time-->



#77

Bromobenzene

Concen: 47.410 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 124989

Ion Ratio Lower Upper

156 100

77 221.4 112.3 337.0

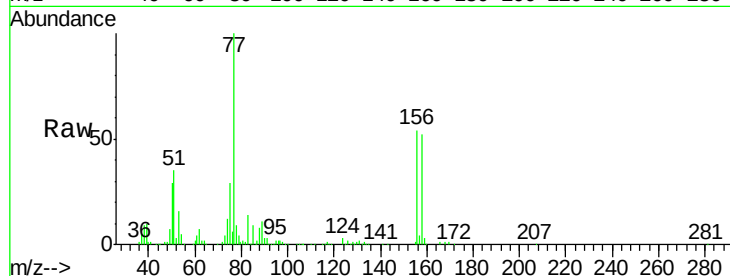
158 97.5 48.6 145.8

Manual Integrations

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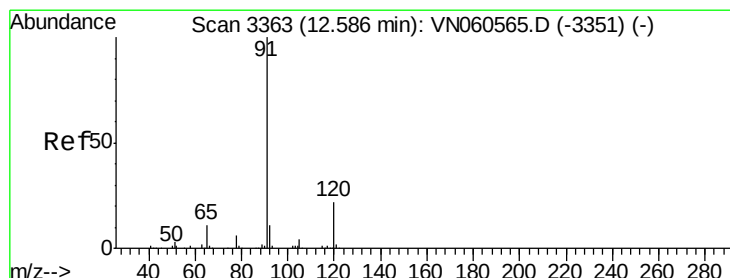
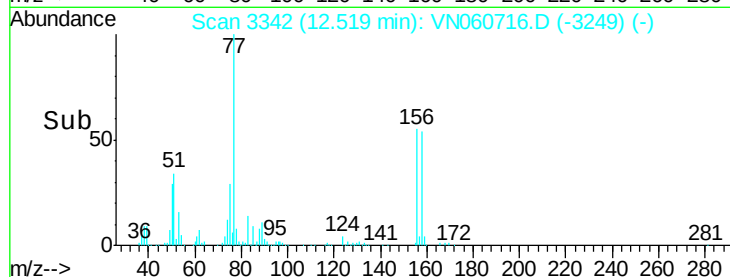
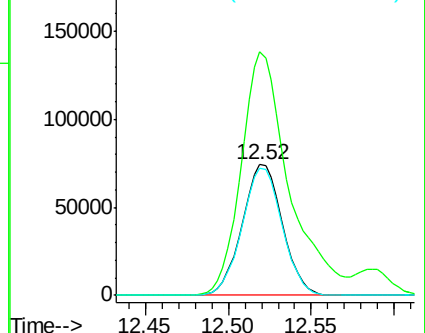
3/27/2020 10:11:31 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.295 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060716.D

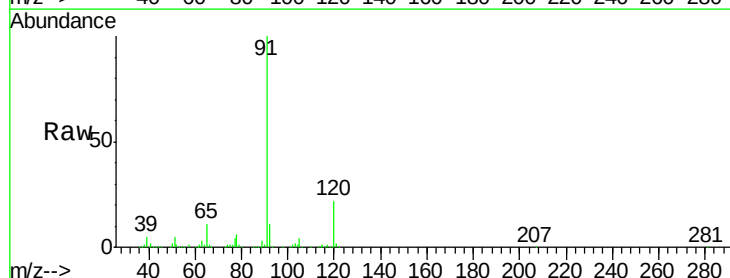
Acq: 26 Mar 2020 15:49

Tgt Ion: 91 Resp: 624253

Ion Ratio Lower Upper

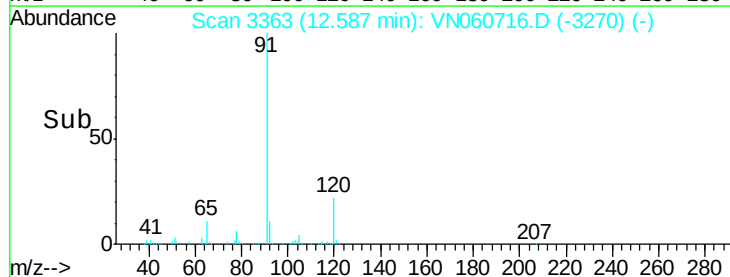
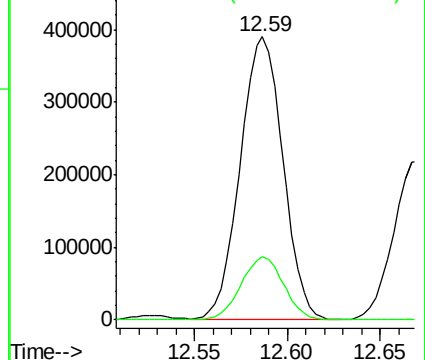
91 100

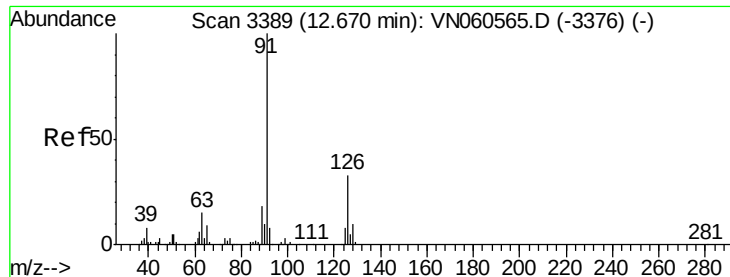
120 22.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.260 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 364994

Ion Ratio Lower Upper

91 100

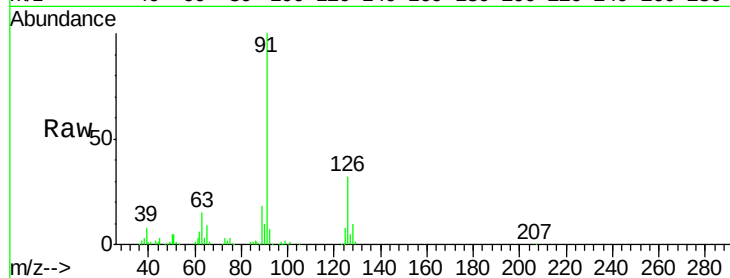
126 32.4 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060716.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060716.D (-3376) (-)

400000

300000

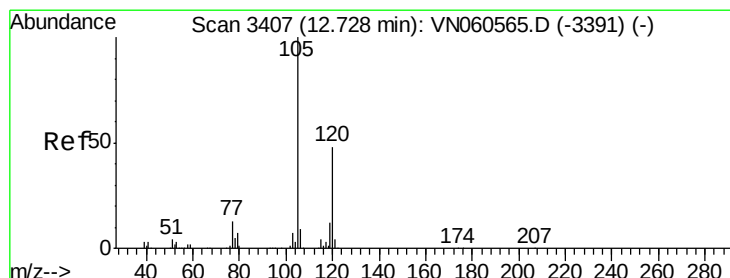
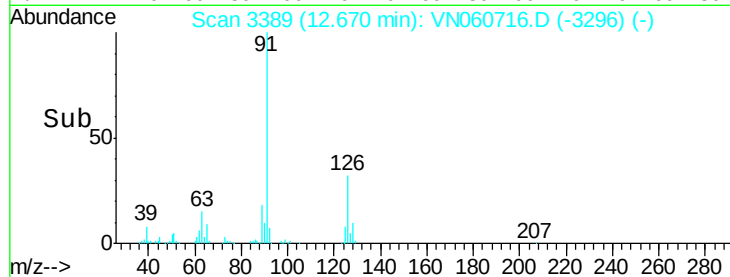
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.027 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060716.D

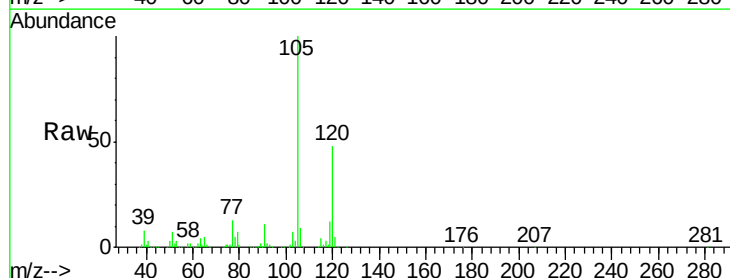
Acq: 26 Mar 2020 15:49

Tgt Ion: 105 Resp: 445903

Ion Ratio Lower Upper

105 100

120 48.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060716.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060716.D (-3391) (-)

300000

250000

200000

150000

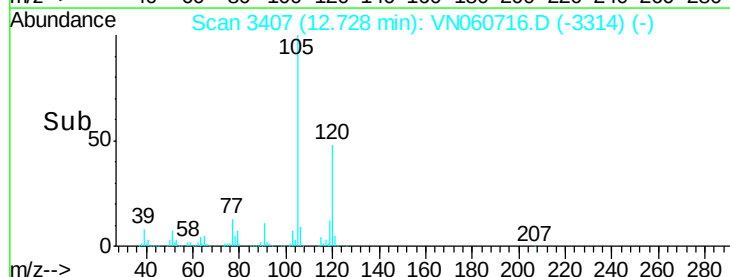
100000

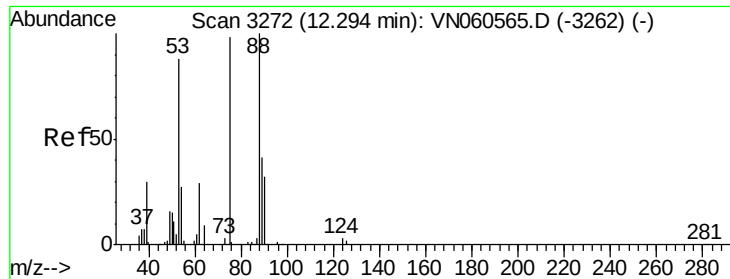
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.554 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

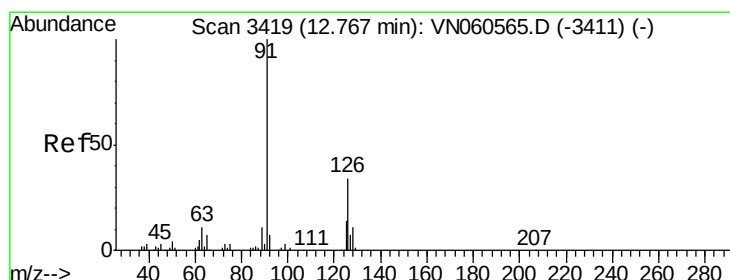
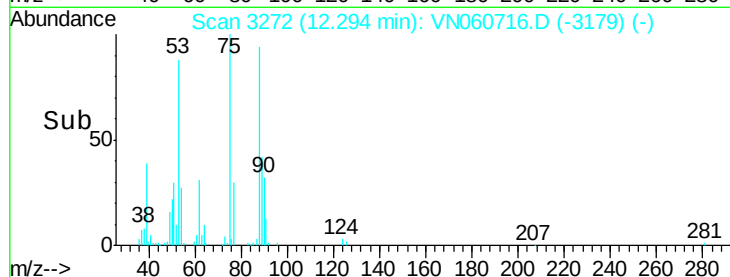
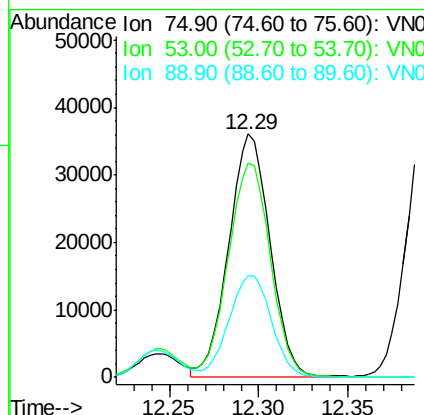
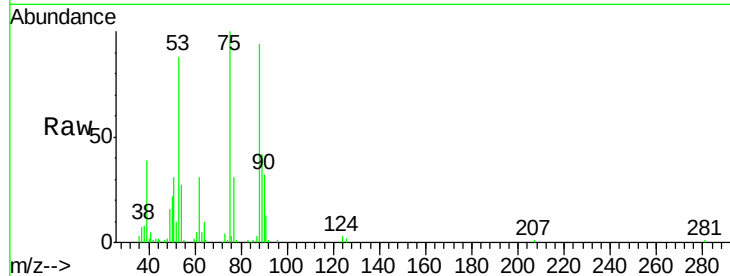
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	58246
Ion	Ratio	Lower	Upper
75	100		
53	89.9	73.0	109.4
89	43.2	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.204 ug/l

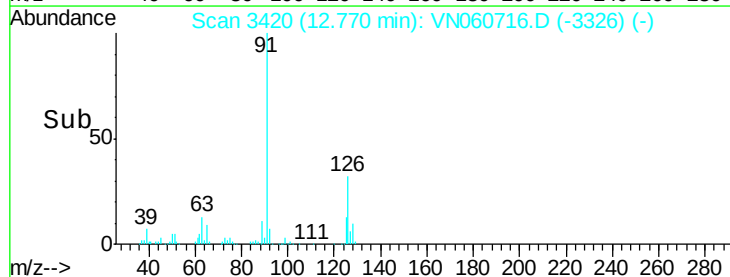
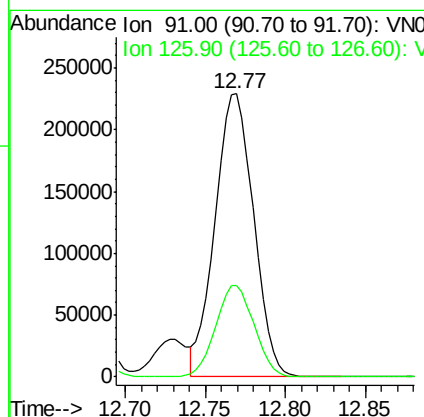
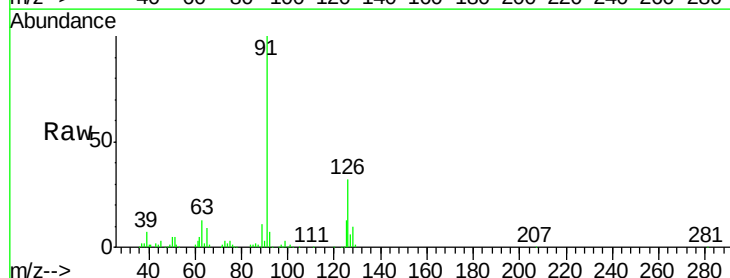
RT: 12.77 min Scan# 3420

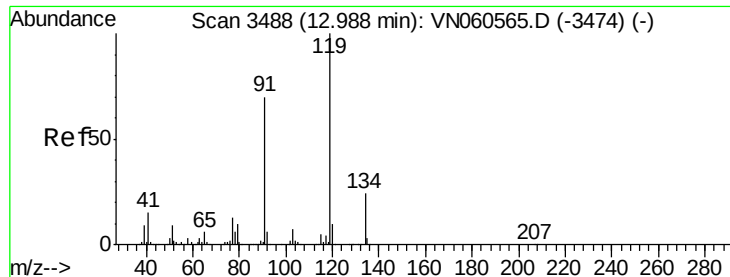
Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion:	91	Resp:	379163
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5





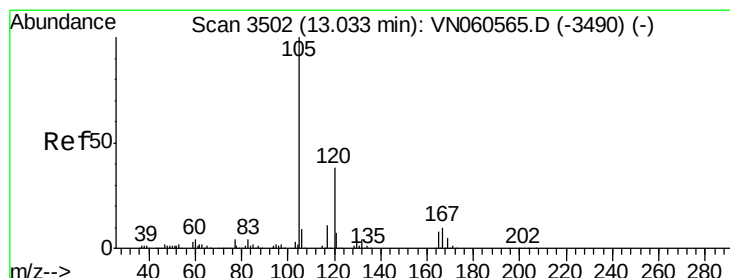
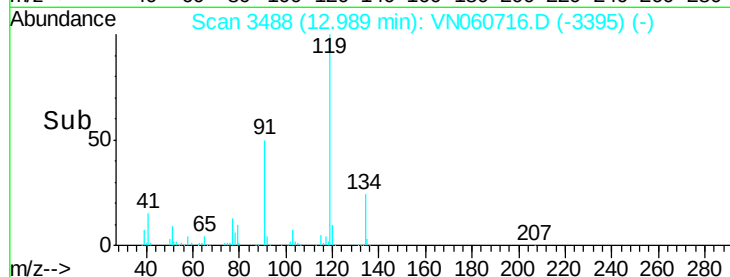
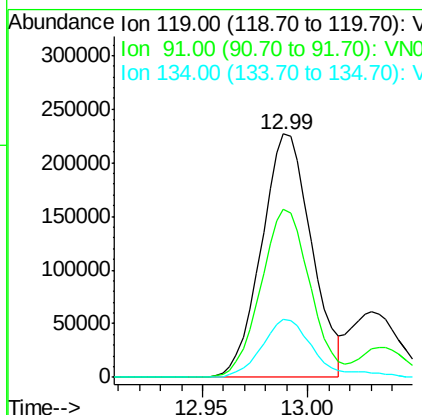
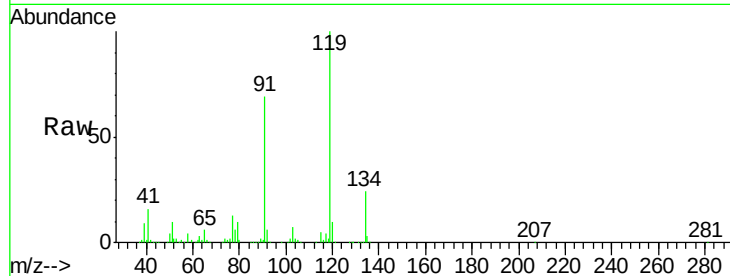
#83
 tert-Butylbenzene
 Concen: 48.617 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.0	101.8
134	25.0	12.7	38.0

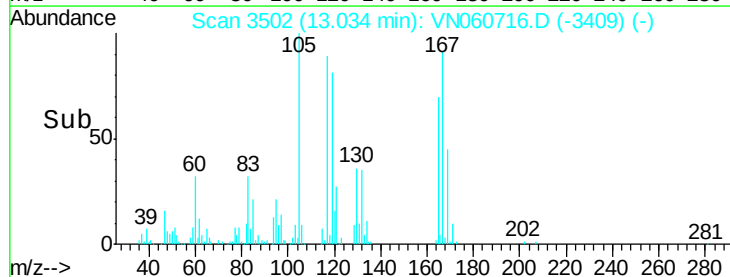
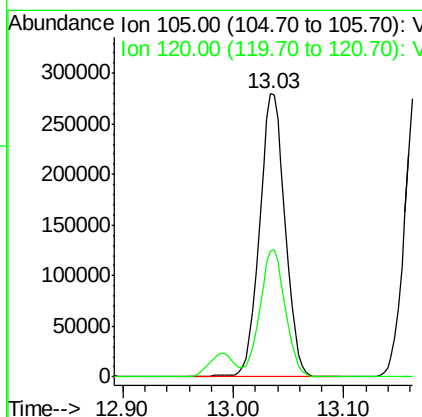
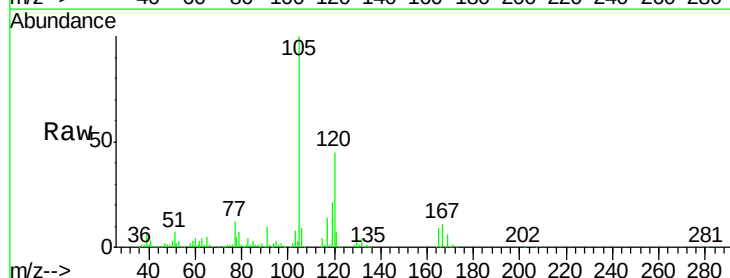
Manual Integrations
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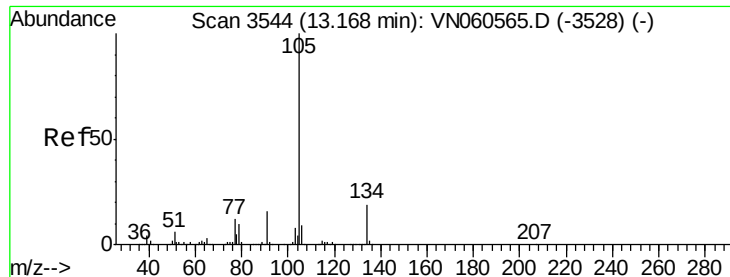
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.700 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 49.585 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 513186

Ion Ratio Lower Upper

105 100

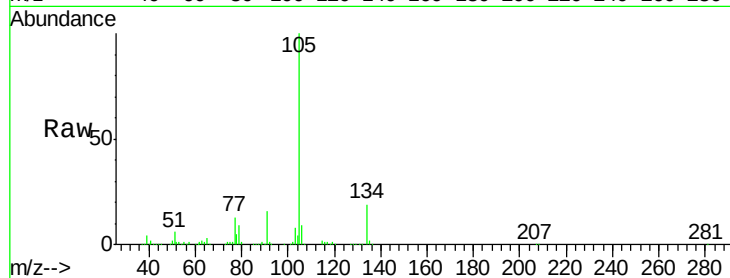
134 19.2 9.6 28.8

Manual Integrations

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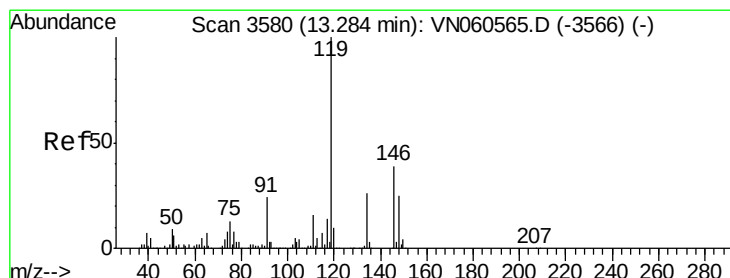
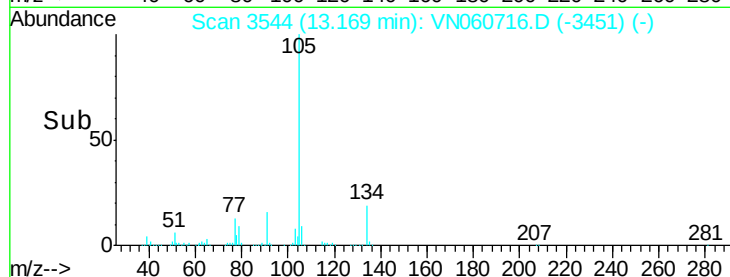
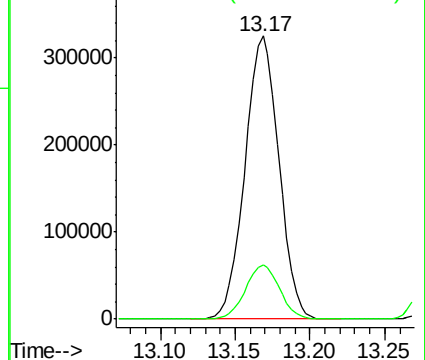
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.678 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

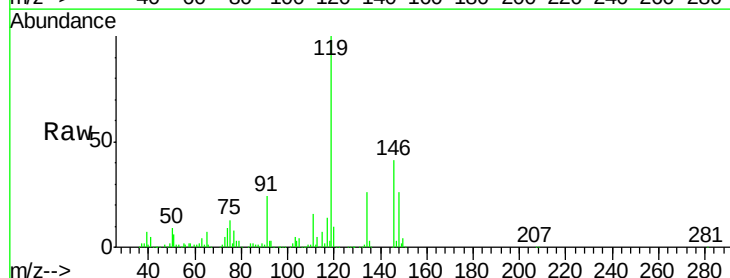
Tgt Ion:119 Resp: 462341

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

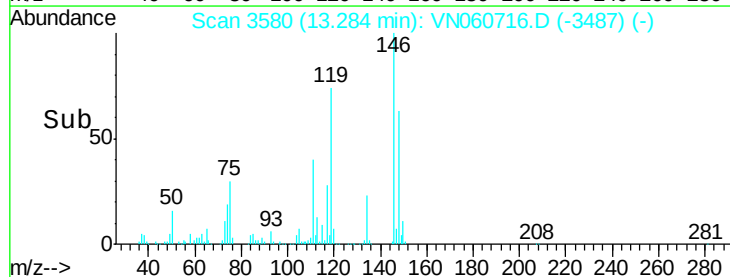
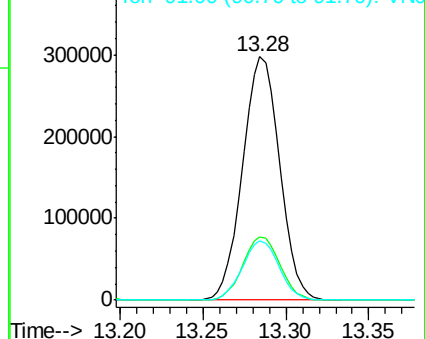
91 24.4 12.0 36.0

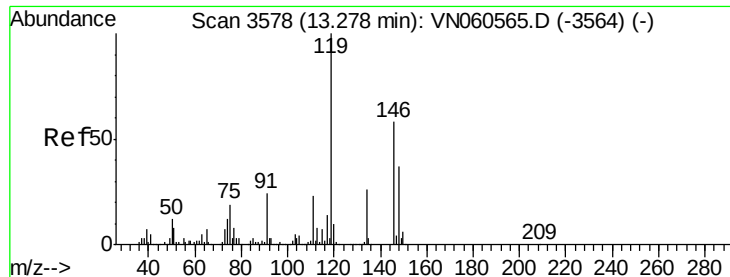


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.504 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060716.D

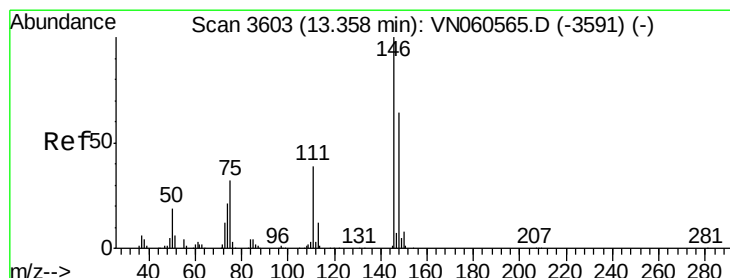
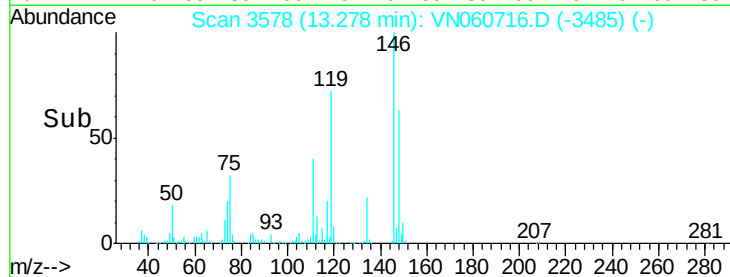
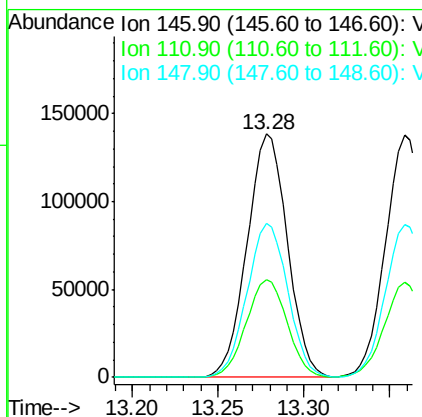
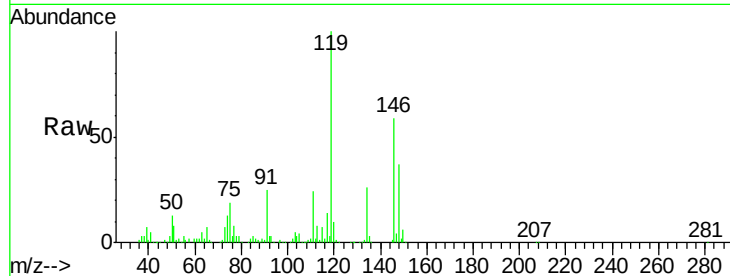
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	63.9	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.394 ug/l

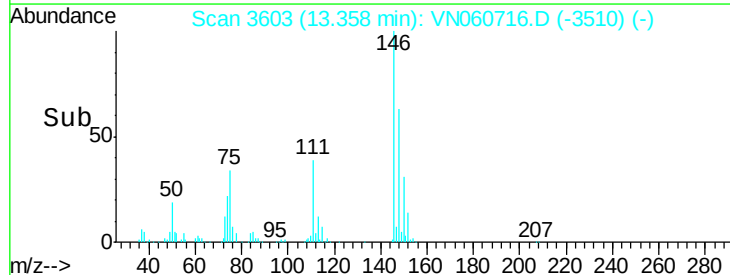
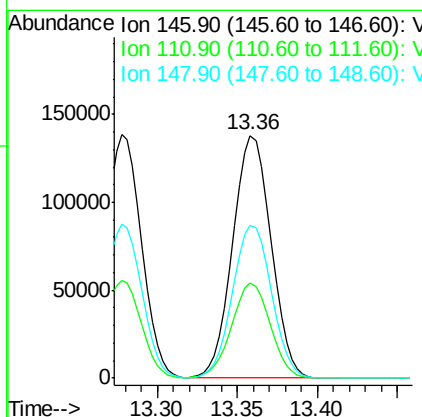
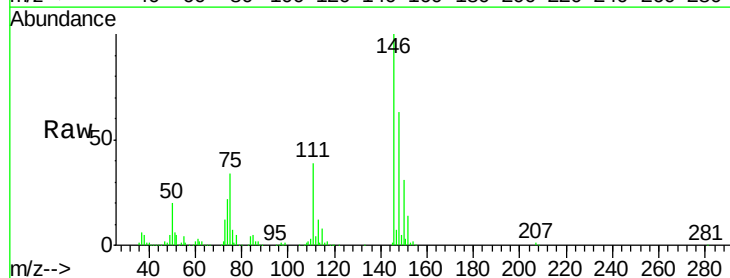
RT: 13.36 min Scan# 3603

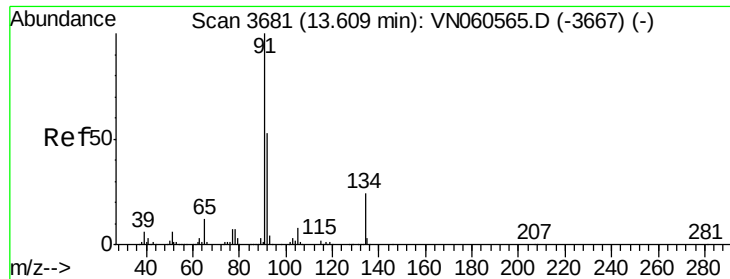
Delta R.T. 0.00 min

Lab File: VN060716.D

Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	64.1	32.1	96.3





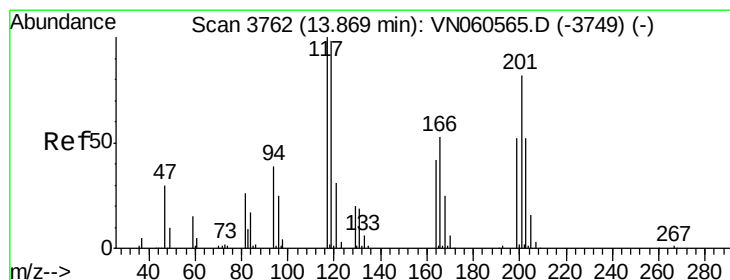
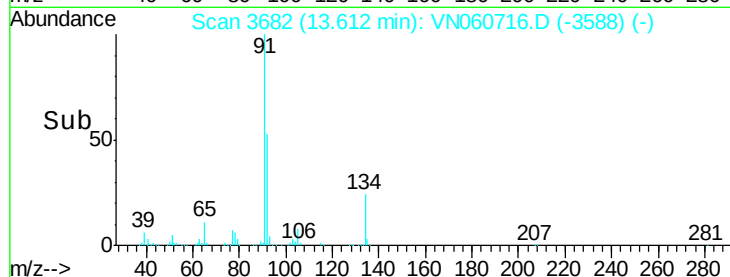
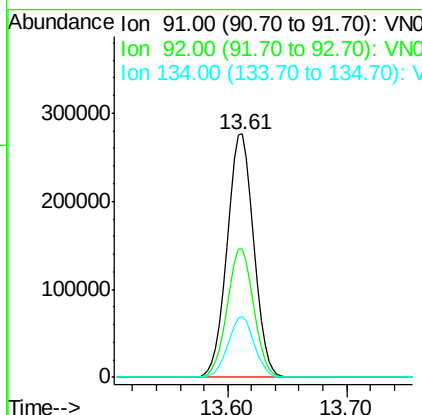
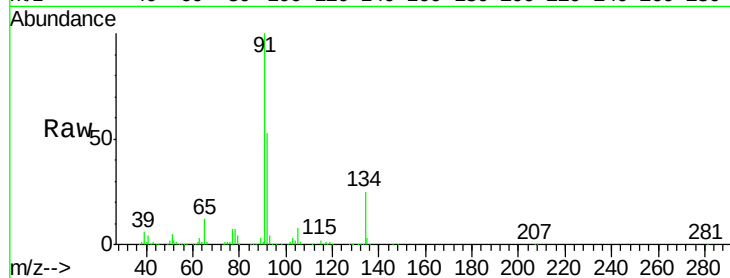
#89
n-Butylbenzene
Concen: 50.903 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	24.6	12.3	36.9

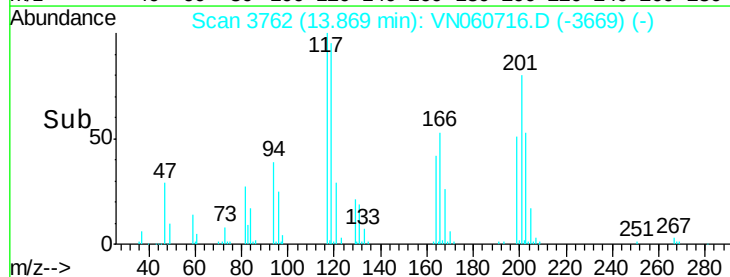
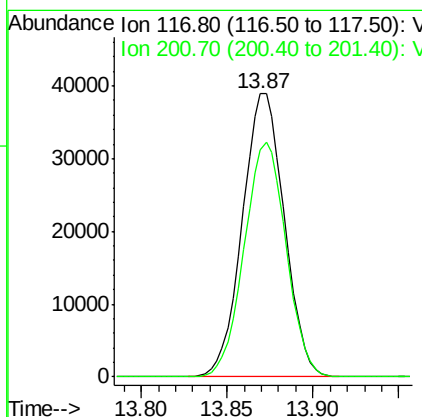
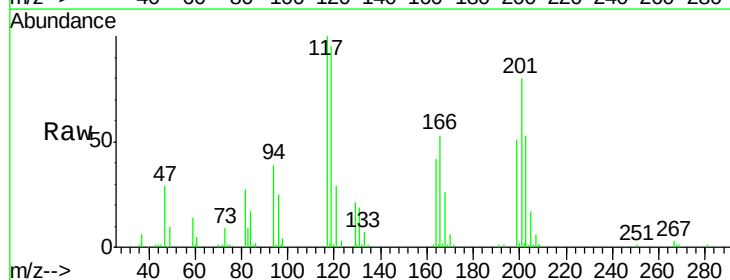
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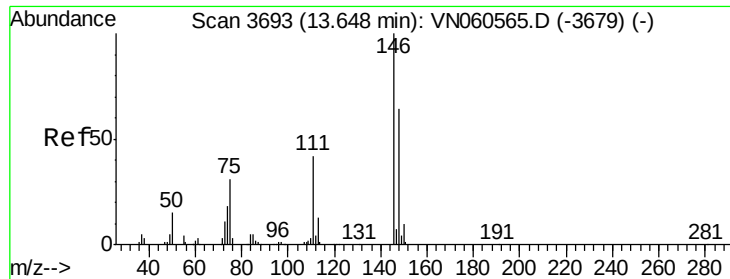
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#90
Hexachloroethane
Concen: 48.837 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	40.8	122.5





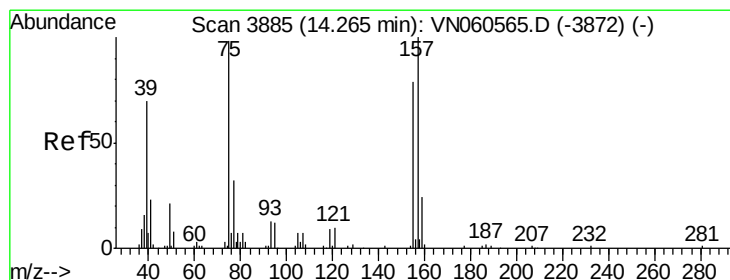
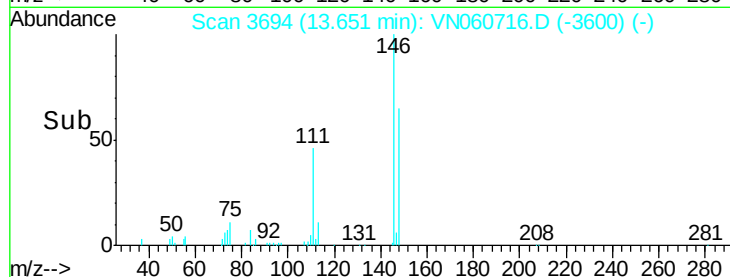
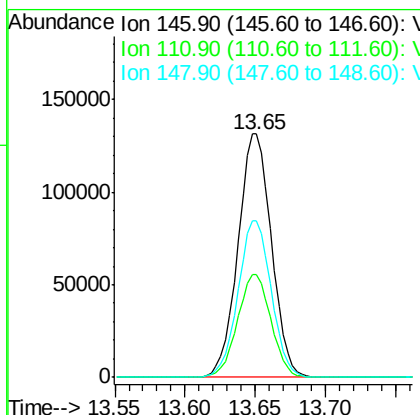
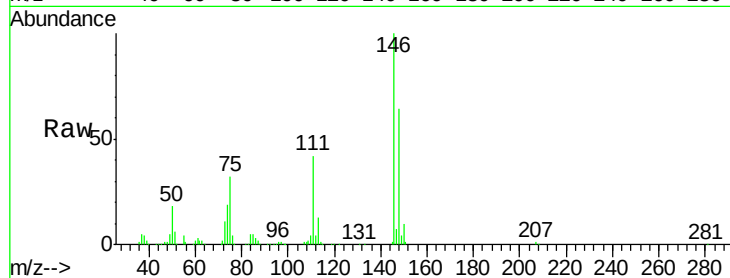
#91
 1,2-Dichlorobenzene
 Concen: 49.198 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	218735		
111	42.1		21.0	63.0
148	63.8		31.9	95.5

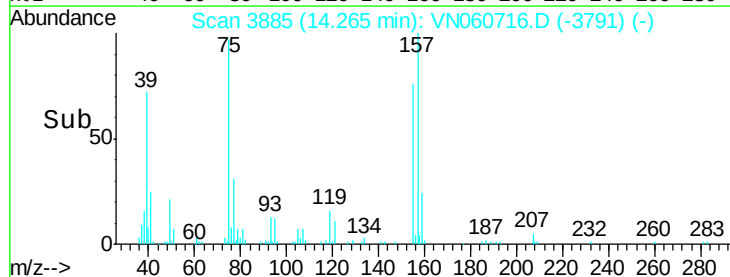
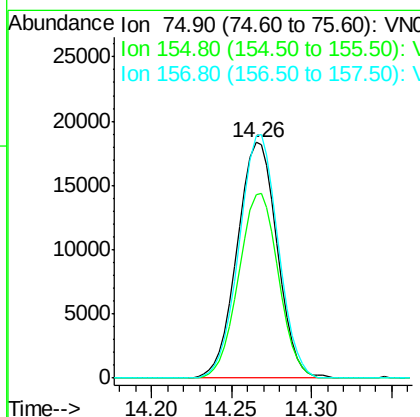
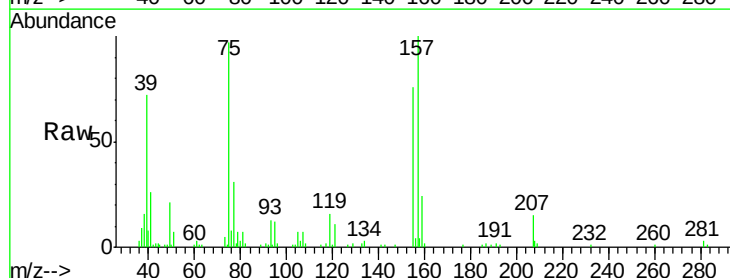
Manual Integrations
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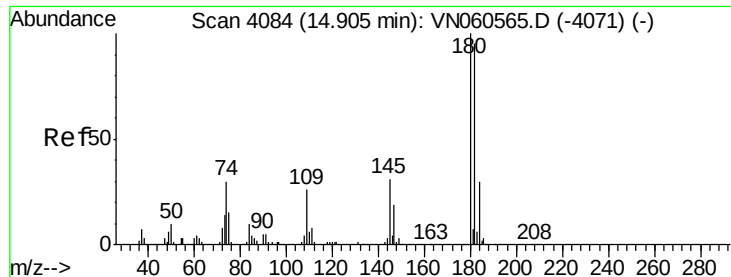
apatel
 3/27/2020 10:11:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.099 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31271		
155	77.6		40.7	122.1
157	100.5		51.5	154.7





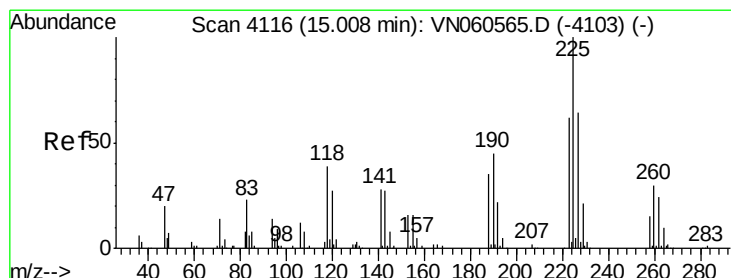
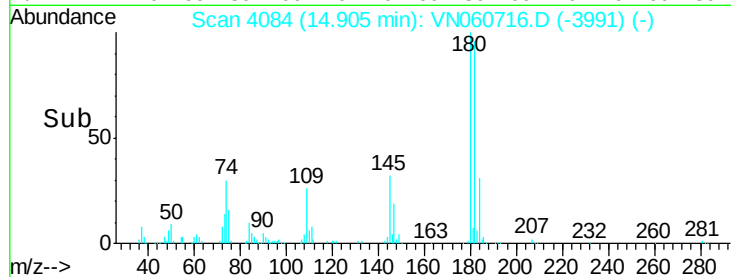
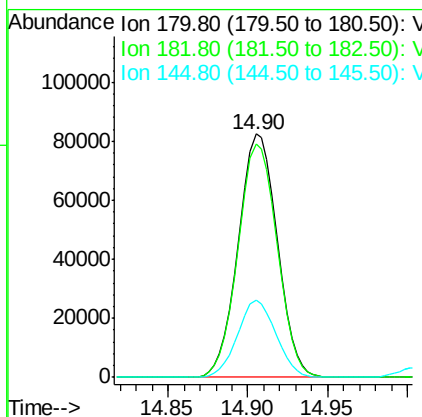
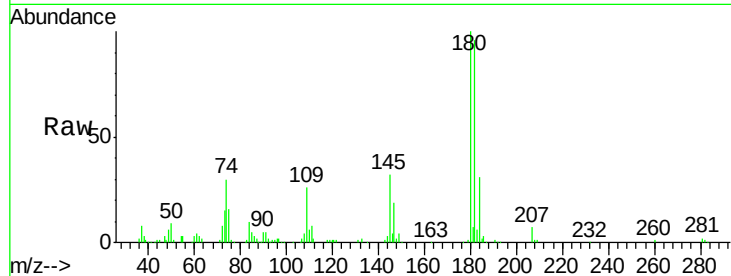
#93
 1,2,4-Trichlorobenzene
 Concen: 50.099 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136785		
182	96.4	47.9	143.8	
145	31.3	15.4	46.2	

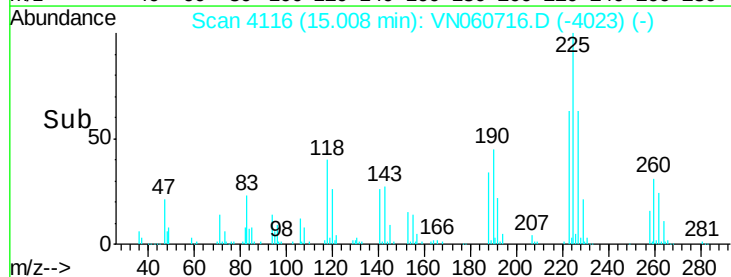
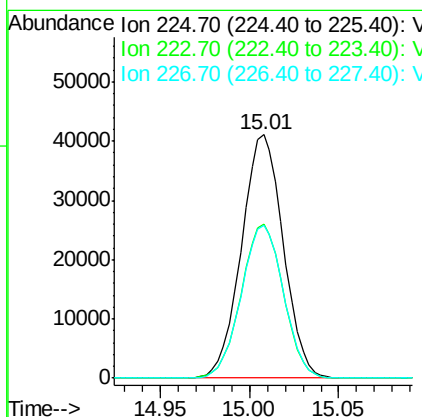
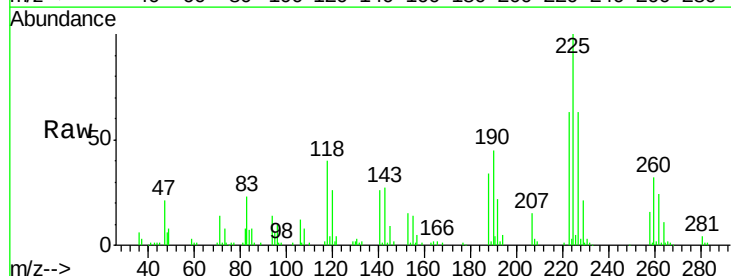
Manual Integrations
 APPROVED

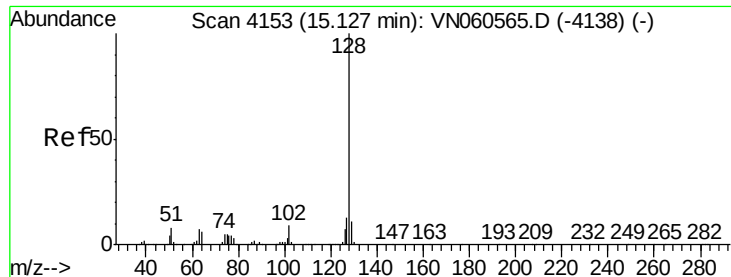
apatel
 3/27/2020 10:11:31 AM



#94
 Hexachlorobutadiene
 Concen: 50.057 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060716.D
 Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66998		
223	63.7	31.6	95.0	
227	63.5	32.3	96.8	





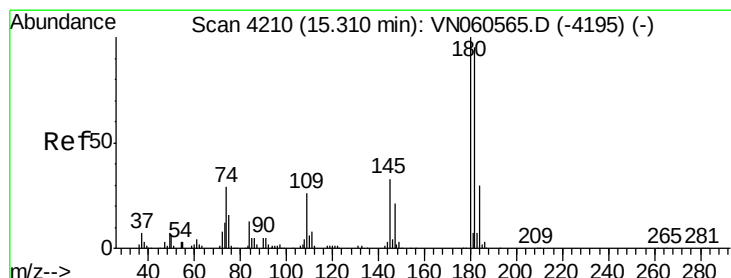
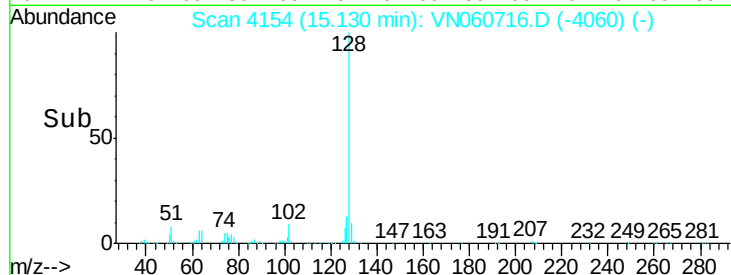
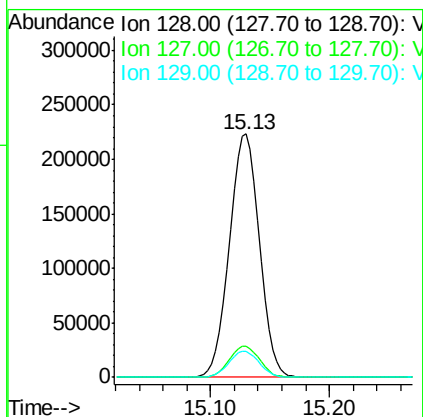
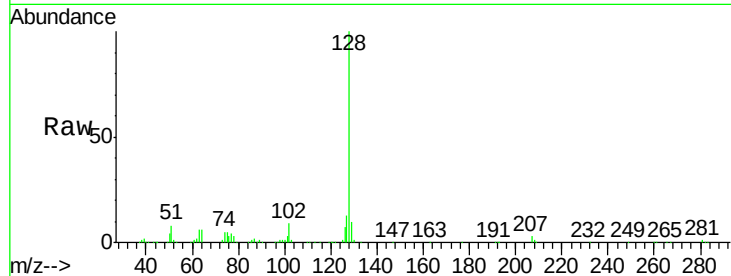
#95
Naphthalene
Concen: 47.497 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

apatel
3/27/2020 10:11:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.561 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060716.D
Acq: 26 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	32.4	16.3	48.8

